

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐

GAS
WELL ☒

OTHER

SINGLE
ZONE ☐

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Beartooth Oil & Gas Company

3. ADDRESS OF OPERATOR

P. O. Box 2564, Billings, Montana 59103

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface

2300' FSL, 1700' FEL, Section 1
At proposed prod. zone
same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

20 miles northwest of Mack, Colorado

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

340

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

None

16. NO. OF ACRES IN LEASE

160 DIVISION OF OIL

17. NO. OF ACRES ASSIGNED
TO THIS WELL

240

19. PROPOSED DEPTH OF WELL, FEET, AND ROTARY OR CABLE TOOLS

3993'

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5382' GL, 5393' KB

22. APPROX. DATE WORK WILL START*

August 18, 1985

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8" new	24# H-40 STC	300'	175 sacks Class 'G' to surface
7-7/8"	4-1/2" new	10.5# J-55 LTC	3993'	175 sacks REC

1. Surface formation is the Mancos.
2. Anticipated geologic markers are: Frontier 3001', Dakota 3393', Morrison 3439', Salt Wash 3874'.
3. Gas is anticipated in the Dakota, Morrison and in the Salt Wash. No oil or other minerals are anticipated. No water sands are expected.
4. Proposed casing program: See Item No. 23 above.
5. Pressure control equipment: See attached well control plan and schematic of drilling contractor's BOP stack. BOP's will be tested before drilling out from Under surface casing and checked daily.
6. Air or mist drilling will be used to drill the surface hole unless water is encountered. If water is encountered, chemical-gel type mud will be used. The well will be air drilled from under surface casing to total depth.
7. Auxiliary equipment: see well control plan.

(continued on page 2)

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

James G. Routson
James G. Routson

TITLE Consulting Petroleum Engineer

DATE July 9, 1985

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE OF UTAH DIVISION OF
OIL, GAS, AND MINING

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

DATE: 7/19/85

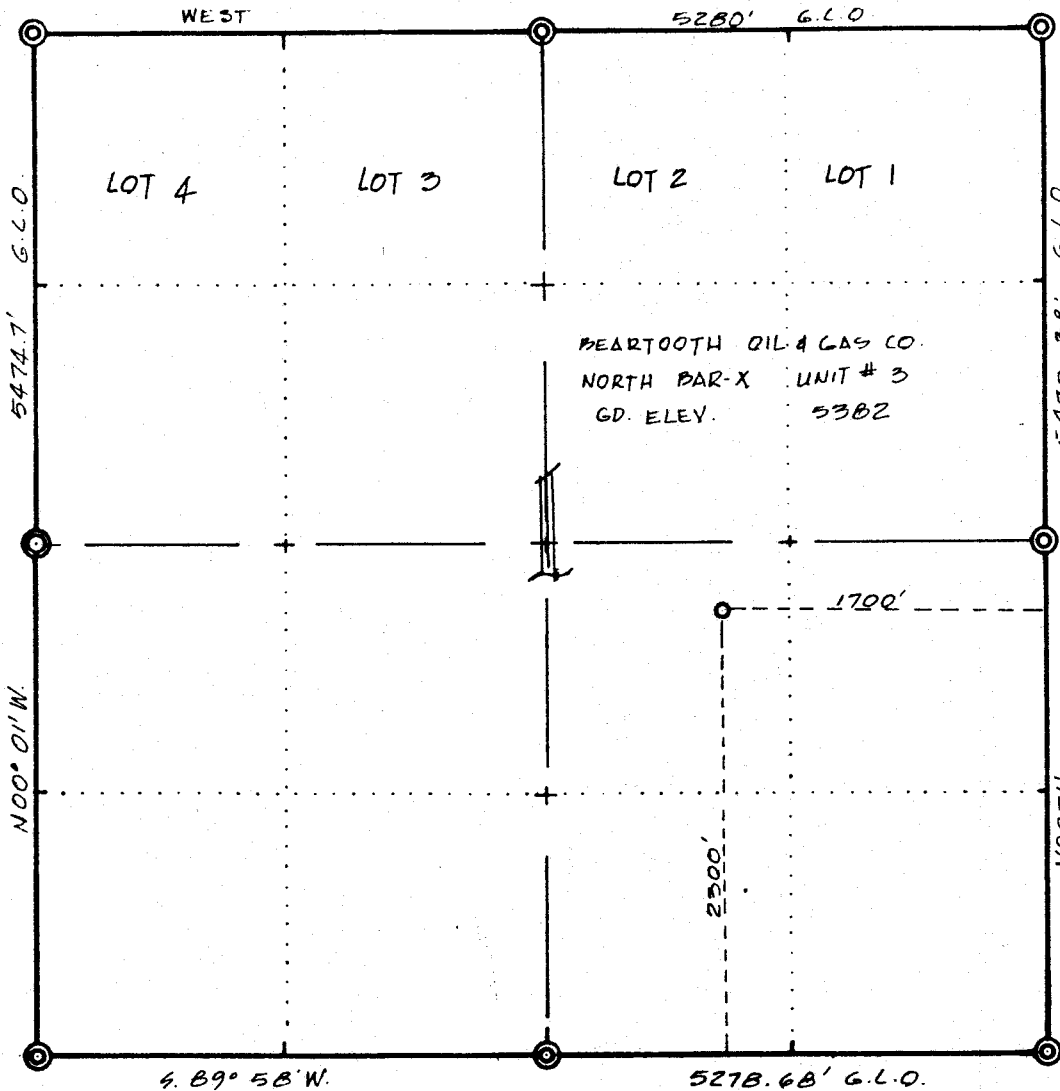
BY: *John R. Bay*

WELL SPACING: *Unas No. 165-11*
2/28/85

*See Instructions On Reverse Side

8. The logging program will consist of a DIL log from TD to base of surface casing, and GR-FDC-CNL logs from TD to above the Frontier. No cores or DST's are planned.
9. No abnormal pressures or temperatures are anticipated. No poisonous gas is anticipated.
10. Anticipated spud date is August 18, 1985. Completion operations should commence within 30 days of rig release.
11. Survey plats are attached.
12. The gas is dedicated to Mesa Pipeline.
13. The spacing unit will be the N $\frac{1}{2}$, N $\frac{1}{2}$ S $\frac{1}{2}$ of Section 1, as per Utah Cause No. 165-11 allowing 2 - 240 acre wells on one spacing unit. This order was approved February 28, 1985.
14. Designation of Operator forms from Hawthorn Oil Company are attached.
15. The well will be drilled under Utah Blanket Bond No. CC-7120203.

SEC. 1, T. 17S, R. 25E. OF THE S.L.M.



THIS WELL LOCATION PLAT WAS PREPARED FOR BEARTOOTH OIL & GAS CO.
TO LOCATE THE NORTH BAR-X UNIT #3, 2300' F.S.L.
1700' F.E.L. IN THE NW 1/4 SE 1/4, OF SECTION 1, T. 17S, R. 25E.
OF THE S.L.M. GRAND COUNTY, UTAH

SURVEYOR'S CERTIFICATE

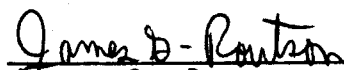
I, LARRY D. BECKER A REGISTERED LAND SURVEYOR IN
THE STATE OF UTAH DO HEREBY CERTIFY THAT THIS
SURVEY WAS MADE UNDER MY DIRECT SUPERVISION
AND THAT THIS PLAT REPRESENTS SAID SURVEY.

Larry D. Becker

SURVEYED	2/30/84	ENERGY SURVEYS & ENGINEERING CORP.	715 HORIZON DRIVE, SUITE 330 GRAND JUNCTION, CO 81501 (303) 245-7221	SCALE 1"=1000'
DRAWN	10/1/84			JOB NO.
CHECKED				SHEET OF

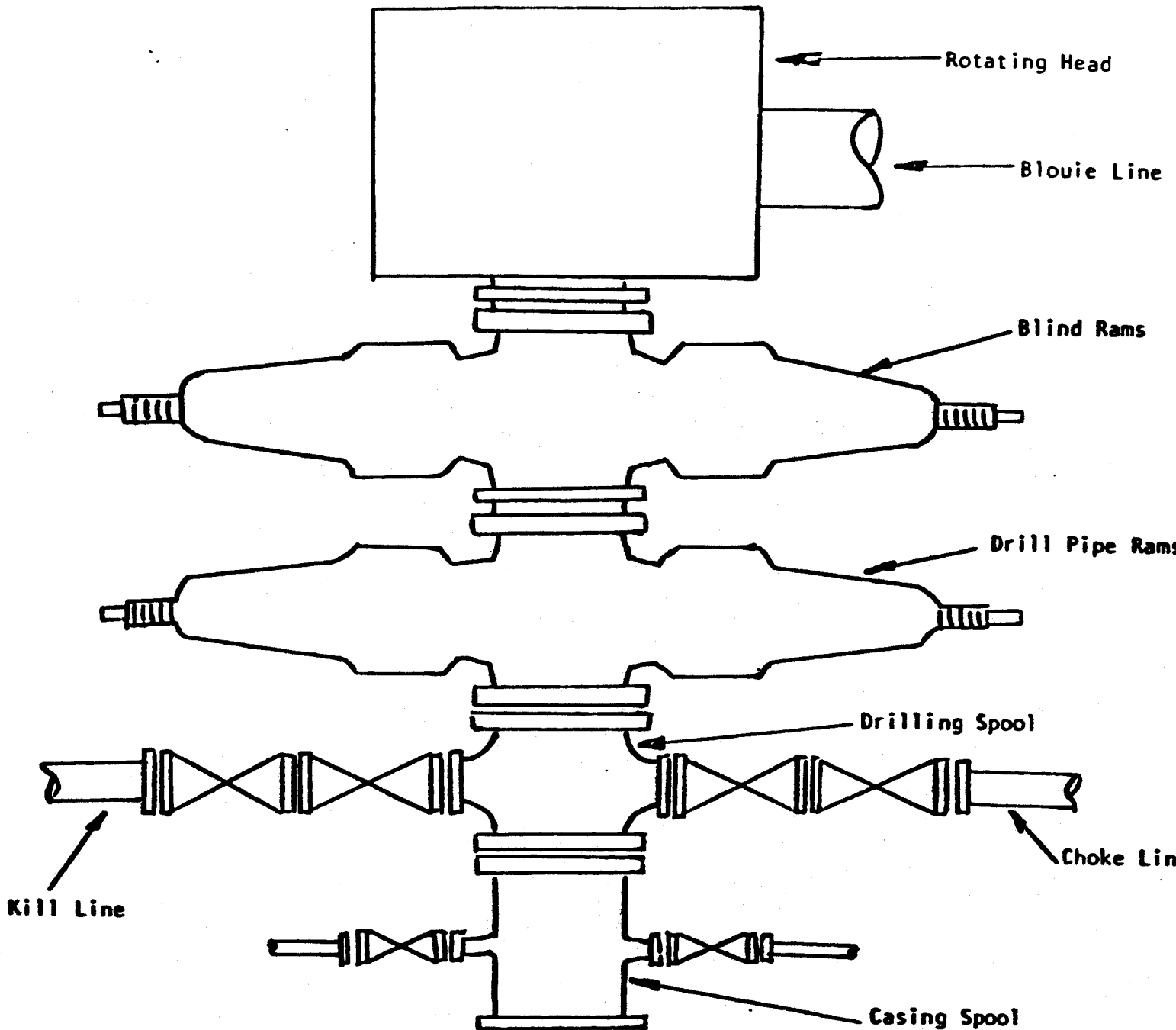
Beartooth Oil & Gas Company
North Bar-X Federal No.3
WELL CONTROL PLAN

1. Surface Casing: 8-5/8" O.D., 24#/ft., Grade H-40, ST&C, set at 300' or deeper, cemented with pump and plug method back to the surface or bottom of cellar.
2. Casinghead Flange: 8-5/8" x 8"-900 Series casinghead with two 2" 2000 psi L.P. outlets.
3. Intermediate Casing: None
4. Blowout Preventor: An 8" 3000 psig W.P. double gate hydraulic shaffer BOP (or equivalent) with drill rams and blind rams. All fill, kill and choke lines will be minimum of 2" 2000 psi W.P. A Grant rotating head will be used while air and mist drilling. BOP's will be worked daily. Blind rams will be checked during trips. BOP's will be tested to 1000 psi prior to drilling shoe joint on surface casing.
5. Auxiliary Equipment: (a) Drill pipe floats will be allowed at contractor's discretion. (b) Visual monitoring of air returns will be maintained. (c) Upper kelly cock will be used. (d) Stabbing valve will be kept on floor.
6. Anticipated bottom hole pressure is less than 900 psi at 3393 or a gradient of .265 psi/ft or less. No abnormal temperatures or hydrogen sulfide gas are anticipated.


James G. Routson
Petroleum Engineer

Air drilled wells using 900 series wellhead equipment.

Interval from 300' to total depth.



SURFACE USE PLAN

BEARTOOTH OIL & GAS COMPANY
NORTH BAR X FEDERAL #3
NW¼SE¼ Section 1-T17S-R25E
Grand County, Utah

1. Existing Roads

See Vicinity and Topo Maps. This proposed well is approximately 16 air miles northwest of Mack, Colorado. It is reached by going 9.5 miles west of Mack on Old Highway 6 & 50 to Mesa County 2 road; then turn right and go 4.1 miles northwesterly up 2 Road to the Colorado-Utah State line (fence). Then turn right and go 3.2 miles up (north) the State line fence road; turn left (west) and go 2.4 miles on the County oilfield road; then turn right (north) and go 1.7 miles to the Beartooth Oil & Gas Company North Bar X #1 well where the 0.6 mile of new road begins. All of the existing roads except for the last 1.7 miles are County roads. Beartooth has authorization to use the last 1.7 miles of existing oilfield road as access to its North Bar X #1 well. All of the existing roads will be maintained by Beartooth in conjunction with the County and area oil and gas operators. The existing roads are colored green on the maps.

2. Access Roads to be Constructed and Reconstructed

See Map #1 - Access and Topo Map. The 0.6 mile of new road will be constructed as a BLM-Moab Class III well access road. It will have an 18 foot wide driving surface with a total disturbed width of 35 to 55 feet depending on topography. The road will be ditched and crowned on flat ground and insloped 2% on sidehill cuts. Drainage design will utilize natural land contour and water will be carried across the road with water dips. No culverts will be used. No fences, modifications, nor cattleguards are necessary. There is one low water wash crossing just west of the wellsite.

Road surfacing materials will be the existing native materials. The maximum road grade is 5%-6%. The road is flagged with orange flagging. The new access road is colored red on Map #1.

3. Location of Existing Wells

See Map No. 3

4. Location of Existing and/or Proposed Facilities if Well is Productive

(a) On Well Pad - See Plat No. 5

(b) Off Well Pad - See Facilities Map

Beartooth Oil & Gas Company proposes to construct a buried 2" gas line from the North Bar X #3 to Beartooth's existing pipeline at the North Bar X #1 well. This line will be constructed adjacent to the new access road. The line is considered an amendment to Beartooth's existing North Bar X pipeline system. R/W Grant #U-53849.

5. Location and Type of Water Supply

The water source for this well is West Salt Creek. The pickup point is an Old Highway 6 & 50 approximately 2.5 miles west of Mack, Colorado.

6. Source of Construction Materials

No construction materials will be used other than native materials. Soil from cuts will be used in fills. No outside material will be brought in.

7. Methods for Handling Waste Disposal

Cuttings will be buried in the reserve pit at clean up. Garbage and other waste material will be contained in a trash cage. This cage will be dumped at an approved sanitary land fill. Human waste will be disposed of in chemically treated sanitary pits.

Drilling fluids will be contained in the reserve pit and left to evaporate. Any fluids produced during testing operations will be collected in a test tank. If a test tank is not available, the fluids will be contained in the reserve pit. Any spills of oil, gas, salt water or noxious fluid will be cleaned up and removed.

If the well is productive, produced water will be disposed of on site for 30 days only, or 90 days with the permission of the District Manager. After that time, application will be made for approval of permanent disposal method in compliance with old MMS Order NTL-2B, and the rules and regulations of the State of Utah.

8. Ancillary Facilities

No ancillary facilities are planned.

9. Wellsite Layout

See Plat #2 - Pit and Pad Layout

See Plat #3 - Cross Sections of Pit and Pad

See Plat #4 - Rig Layout

The location will be constructed large enough to accommodate the drilling rig and associated equipment with allowance made for future completion and fracturing equipment.

The location construction will begin by stripping and stockpiling all available (4-6") topsoil. The stockpile will be along the east and west ends of the location.

The reserve pit will be constructed along the north side of the well pad. The pit will be fenced on three sides during drilling and closed on the fourth side at rig release. The fence will be maintained through completion and while the pit area is drying.

10. Plans for Reclamation of the Surface

If the well is productive, the reserve pit will be allowed to dry and then backfilled. All of the area not necessary for production will be resloped, covered with available topsoil and revegetated using a seed formula supplied by the BLM.

If the well is abandoned, the entire area of disturbance will be returned to a reasonable contour approximating the topography of the surrounding area. The topsoil will be distributed over the recontoured area and revegetated using the appropriate seed formula.

Clean-up will begin after completion rig release and resloping should be completed by the Fall of 1985.

11. Surface Ownership

All lands involving new construction are Federal lands.

12. Other Information

The well site sits between two washes on the Mancos desert floor. The vegetation is sparse and includes juniper, sagebrush, western wheatgrass, Indian rice grass and a few annual plants.

13. Lessee's or Operator's Representatives and Certification

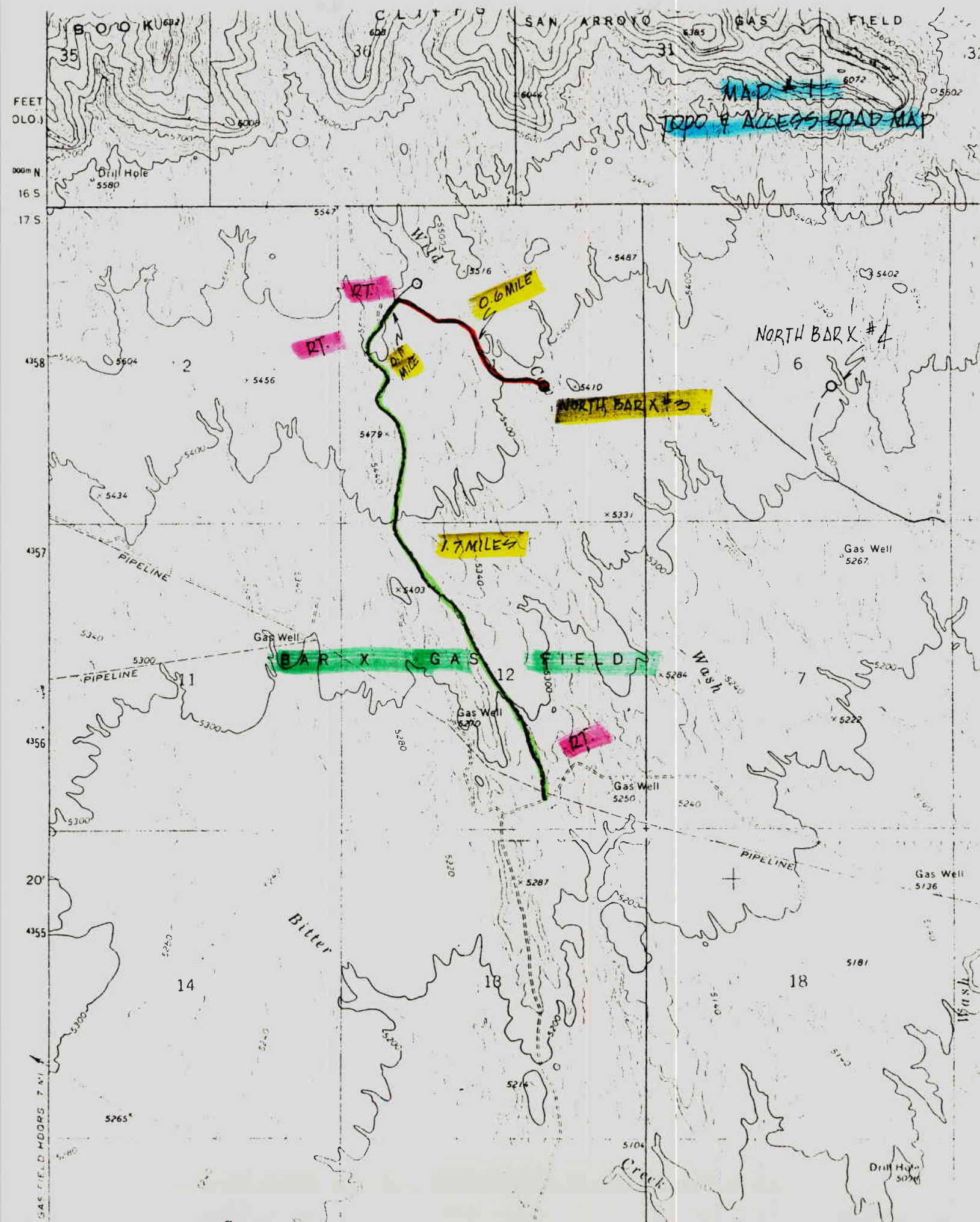
James G. Routson
Beartooth Oil & Gas Company
P. O. Box 3564
Billings, Montana 59103
Office Phone: 406-259-2451
Home Phone: 406-245-8797

Ken Currey
Beartooth Oil & Gas Company
P. O. Box 1491
Fruita, Colorado 81521
Office/Home: 303-858-3257
Mobile: 303-245-3660, Unit 5858

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are to the best of my knowledge, true and correct; and that the work associated with operations proposed herein will be performed by Beartooth Oil & Gas Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

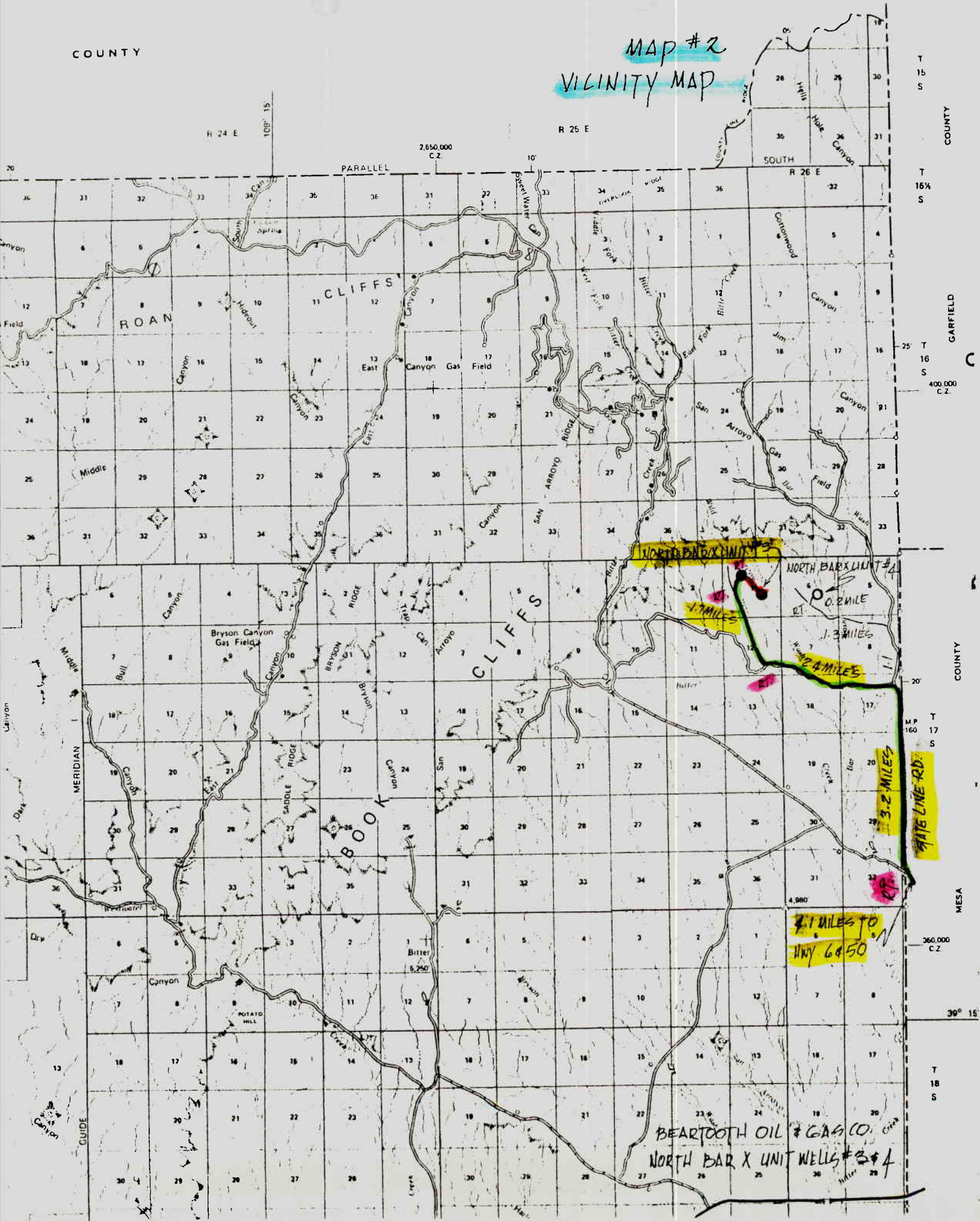
July 9, 1985
Date

James G. Routson
James G. Routson
Consulting Petroleum Engineer



COUNTY

MAP #2
VICINITY MAP



COUNTY

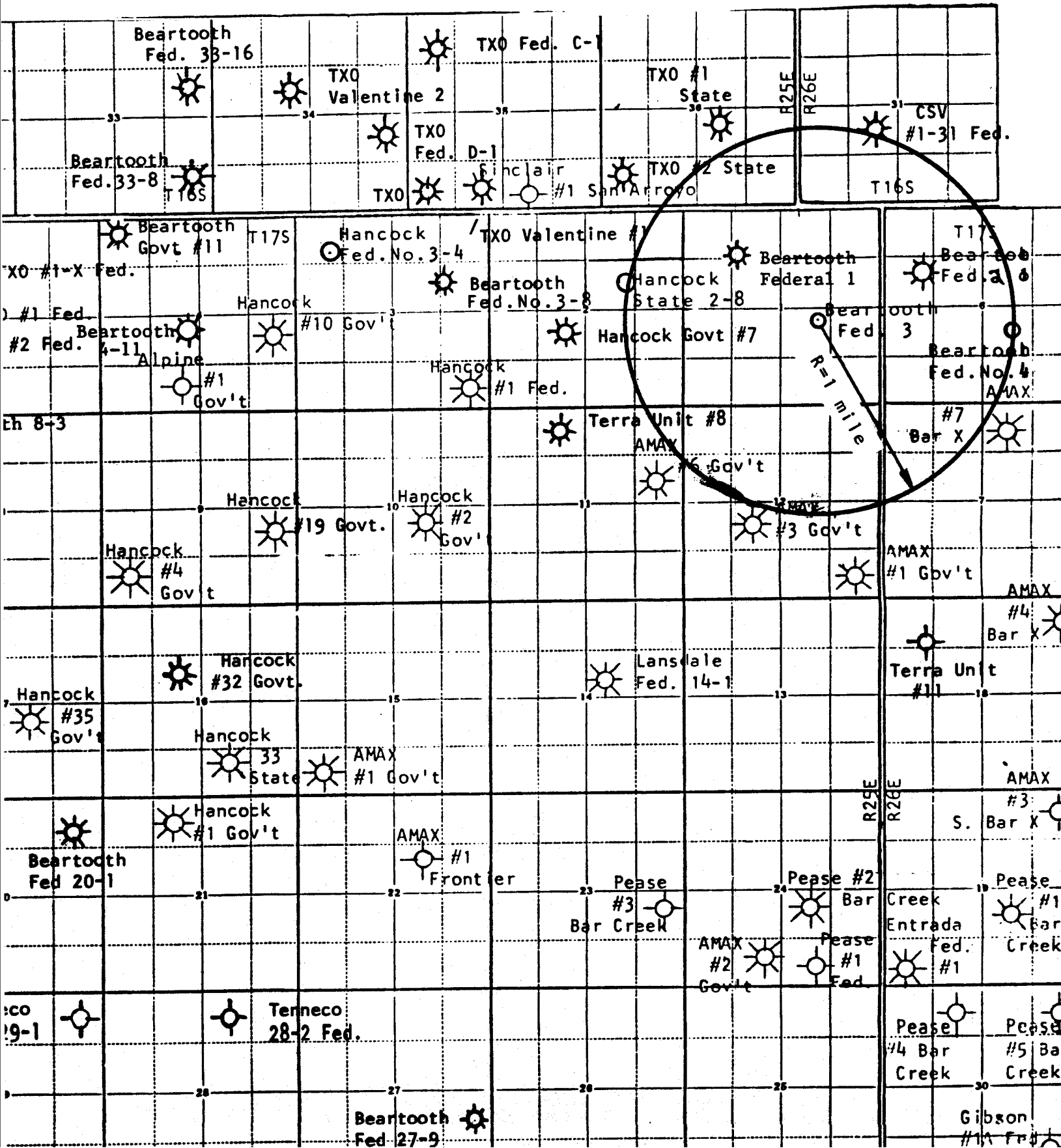
GARFIELD

COUNTY

MESA

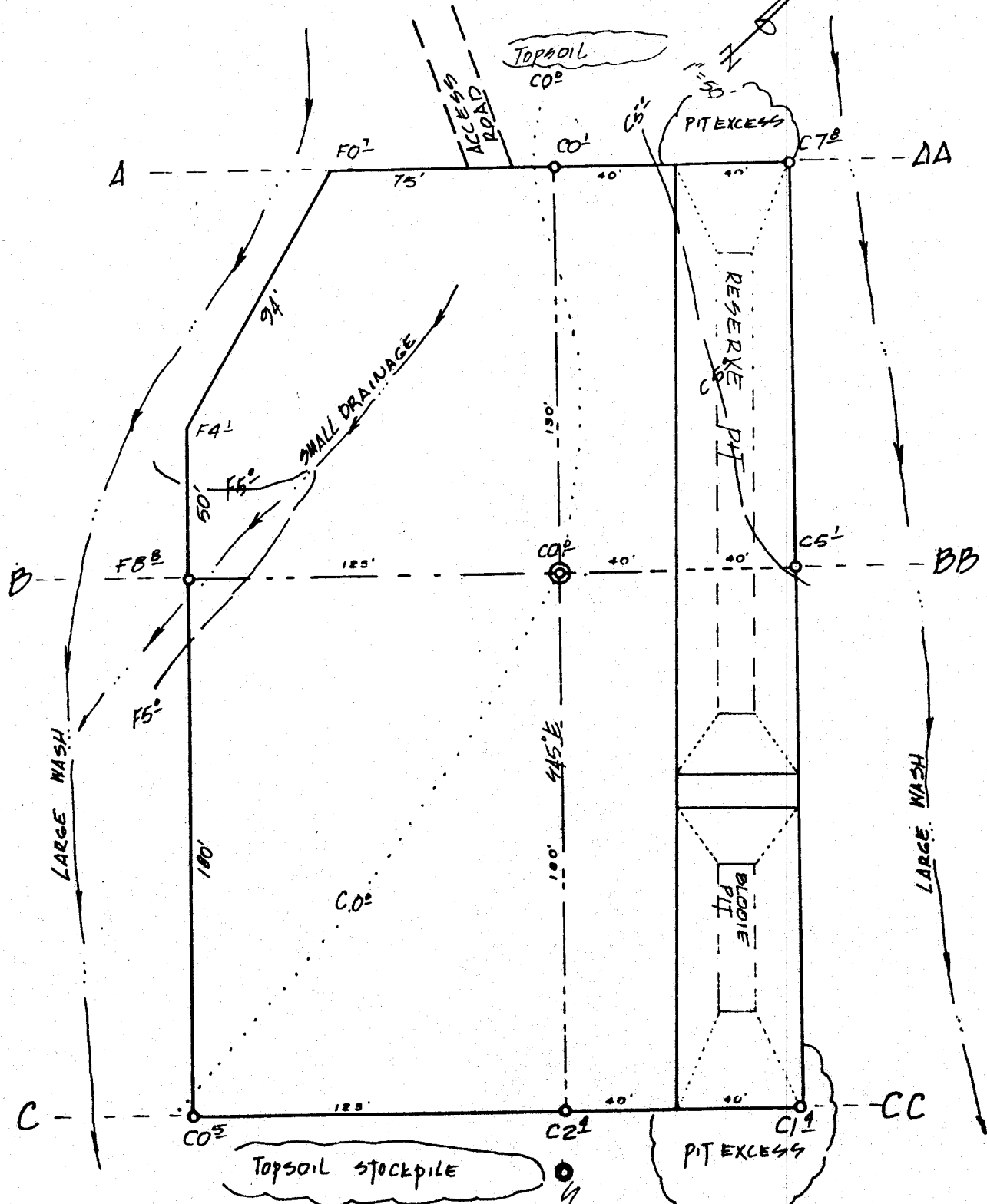
WELL MAP NO. 3

Township 16, 17, 18S, **Range** 24, 25, 26E, **County** Grand, **State** Utah



PLAT # 2
PIT & PAD LAYOUT

REF. PT. 200' N. 45° W. FO^2 TO PAD GRADE



ESTIMATED C.Y. OF MATERIAL

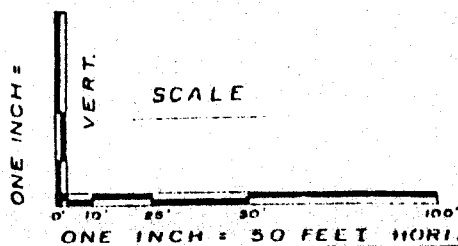
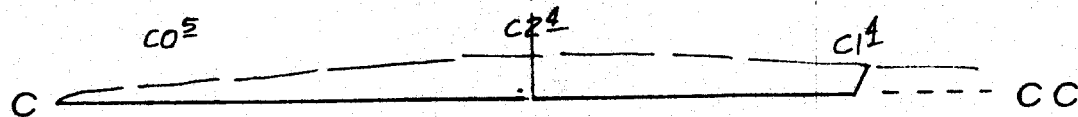
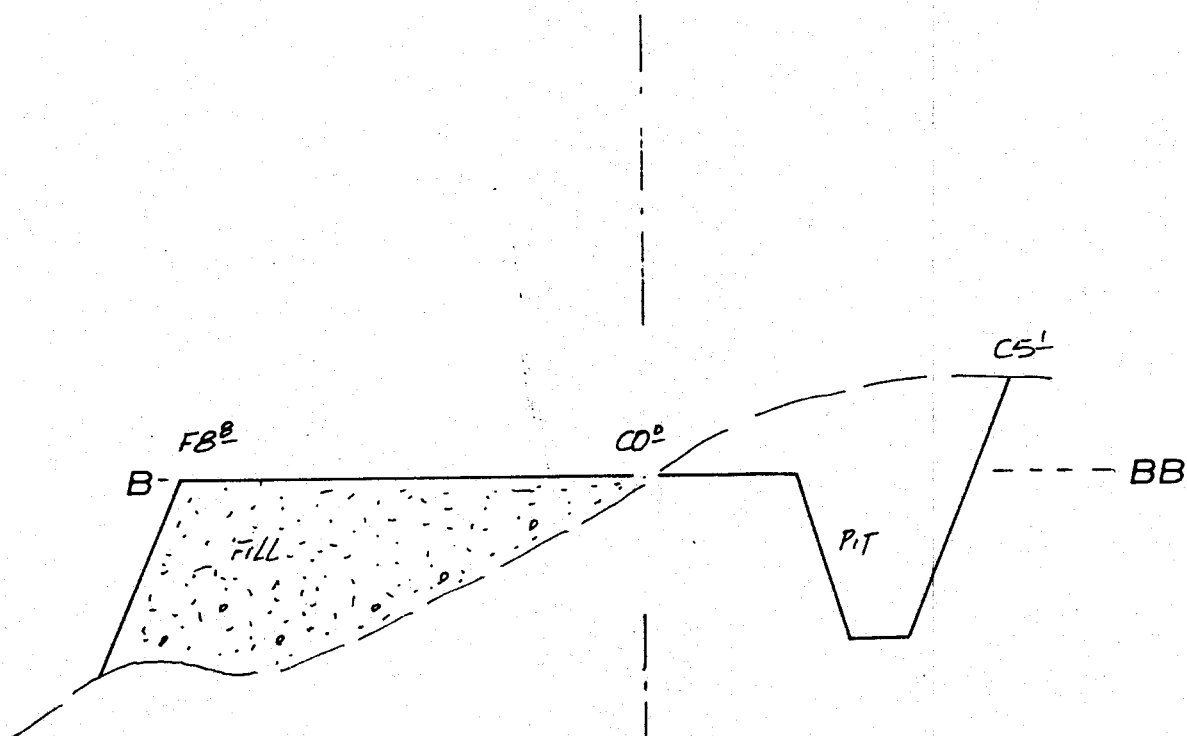
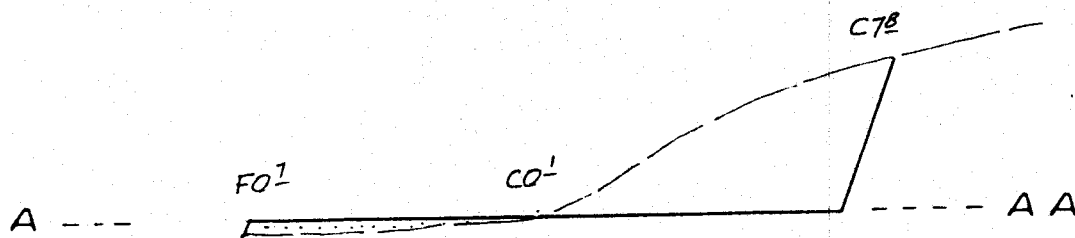
REF PT 200' 545'E C1.4 TO PAD GRAB

CUT 5707 C.Y.
FILL 2675 C.Y.
Topsoil 1145 C.Y.

BEARTOOTH OIL & GAS CO.
NORTH DAK X #3

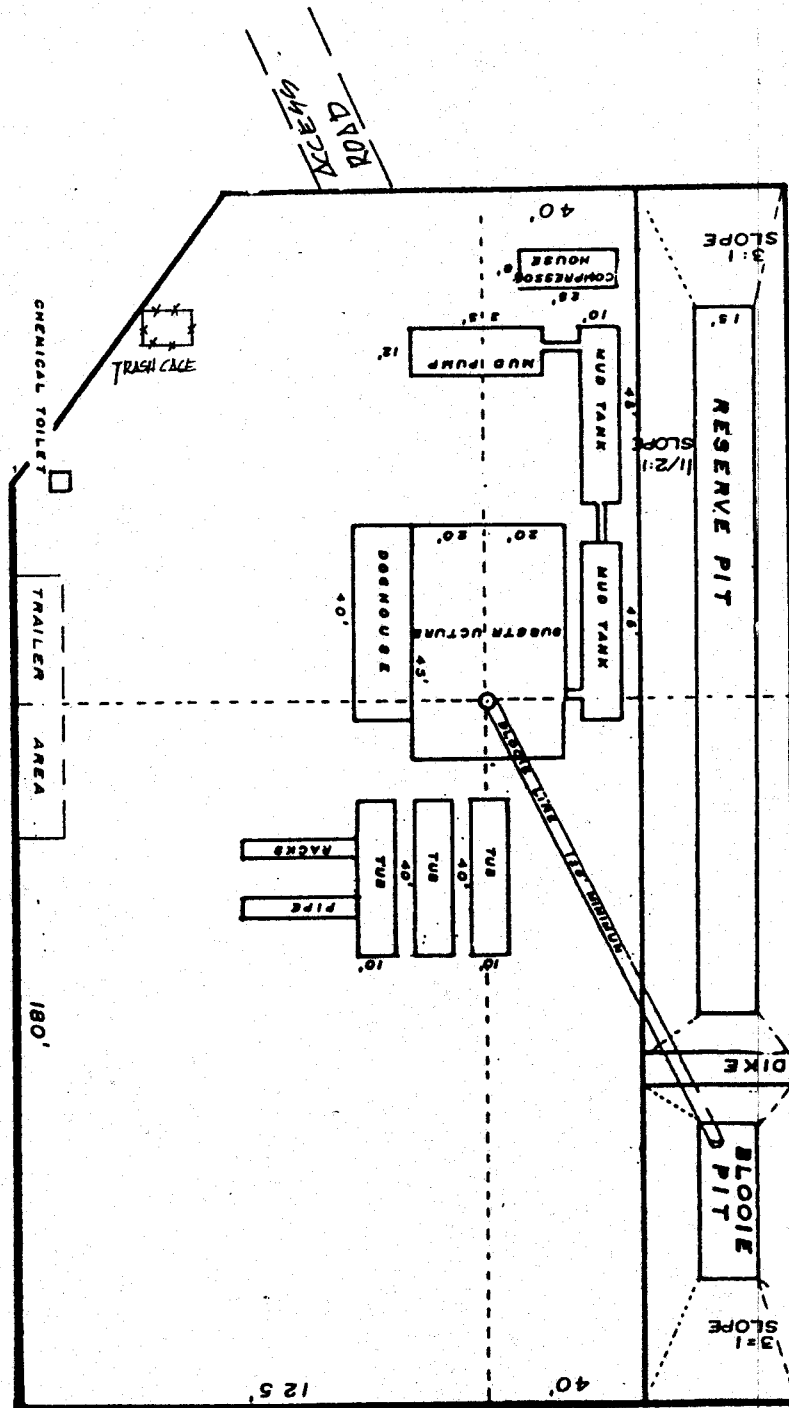
PLAT # 3

CROSS-SECTIONS
OF PIT & PAD



DEARTOOTH OIL & GAS CO.
NORTH DAK. - # 3

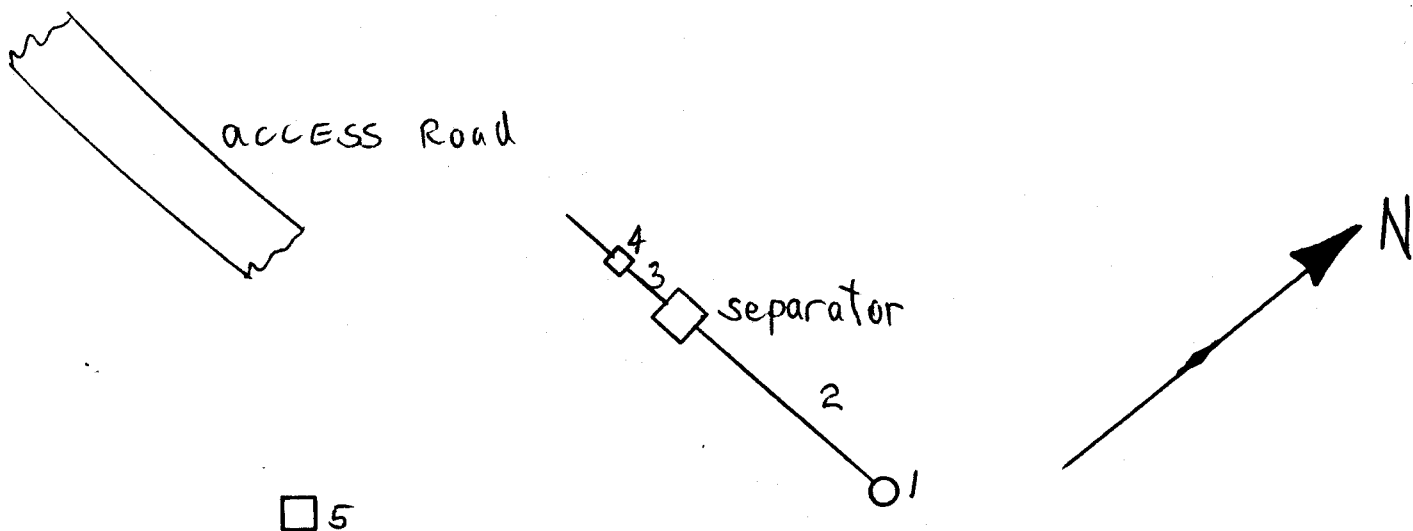
PLAT # 4 RIG LAYOUT



BEARTOOTH OIL & GAS CO.
NORTH DAK. #3

PLAT NO. 5

FACILITIES SCHEMATIC



1. Wellhead will be an 8-5/8" Larkin Fig. 92 or equivalent. Tubing head will be a 4 1/2" x 6"-900 Series with two 2" 3000 psi screwed valves. Tree will be 2" screwed x 2000 psi W.P.
2. Line between wellhead and separator will be approximately 100 feet in length and constructed of 2-3/8" .218 wall seamless, welded, wrapped and buried approximately 5 feet deep.
3. Line between separator and meter will be 4" or 4.028 OD seamless, welded, coated, wrapped and buried, and will be approximately 25 feet in length.
4. Meter run will be American 2" run, or equivalent, 1000 psi static rating, 100" of water differential rating.
5. Pit will be 10'x 10', enclosed by dikes and fenced.

SUPERVISOR, OIL AND GAS OPERATIONS:

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of oil and gas lease

DISTRICT LAND OFFICE: Salt Lake City, Utah

SERIAL NO.: U-44444

and hereby designates

NAME: Beartooth Oil & Gas Company

ADDRESS: P. O. Box 2564

Billings, Montana 59103

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Oil and Gas Operating Regulations with respect to (describe acreage to which this designation is applicable):

Township 17 South, Range 25 EastSection 1: $N\frac{1}{2}S\frac{1}{2}$

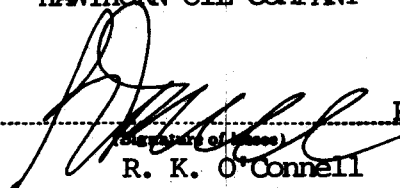
Grand County, Utah

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Oil and Gas Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the oil and gas supervisor of any change in the designated operator.

HAWTHORN OIL COMPANY



President
R. K. O'Connell

P. O. Box 2693

Casper, Wyoming 82602

June 24, 1985

(Date)

(Address)

OPERATOR Bentrock Oil & Gas Co.

DATE 7-16-85

WELL NAME North Bow X Fed #3

SEC NW SE 1 T 17S R 25E COUNTY Grant

43-019-31193
API NUMBER

Ac
TYPE OF LEASE

CHECK OFF:

☒

PLAT

☒

BOND

☒

NEAREST WELL

☒

LEASE

☒

FIELD

☒

POTASH OR
OIL SHALE

PROCESSING COMMENTS:

No other well within 2500'

Need water permit

APPROVAL LETTER:

SPACING:

☐

A-3

UNIT

☒

c-3-a

165-11 2/28/85
CAUSE NO. & DATE

☐

c-3-b

☐

c-3-c

STIPULATIONS:

1- Water



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

July 19, 1985

Beartooth Oil & Gas Company
P. O. Box 2564
Billings, Montana 59103

Gentlemen:

Re: Well No. North Bar X Federal 3 - NW SE Sec. 1, T. 17S, R. 25E
2300' FSL, 1700' FEL - Grand County, Utah

Approval to drill the above-referenced gas well is hereby granted in accordance with the Order of Cause No. 165-11 dated February 28, 1985 subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water.

In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or R. J. Firth, Associate Director, (Home) 571-6068.

Page 2
Beartooth Oil & Gas Company
Well No. North Bar X Federal 3
July 19, 1985

4. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-019-31193.

Sincerely,



R. J. Firth
Associate Director, Oil & Gas

as
Enclosures
cc: Branch of Fluid Minerals

REC'D MDO JUL 11 1985

SUBMIT IN DUPLICATE
(Other instructions on
reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

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DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐

GAS
WELL ☒

OTHER

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ZONE ☐

MULTIPLE
ZONE ☐

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3. ADDRESS OF OPERATOR

P. O. Box 2564, Billings, Montana 59103

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2300' FSL, 1700' FEL, Section 1

At proposed prod. zone

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20 miles northwest of Mack, Colorado

15. DISTANCE FROM PROPOSED

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

340

18. DISTANCE FROM PROPOSED LOCATION

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

None

16. NO. OF ACRES IN LEASE

160

17. NO. OF ACRES ASSIGNED

240

19. PROPOSED DEPTH

3993'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5382' GL, 5393' KB

22. APPROX. DATE WORK WILL START

August 18, 1985

23.

PROPOSED CASING AND CEMENTING PROGRAM

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7-7/8"	4-1/2" new	10.5# J-55 LTC	3993'	175 sacks RFC

1. Surface formation is the Mancos.
2. Anticipated geologic markers are: Frontier 3001', Dakota 3393', Morrison 3439', Salt Wash 3874'.
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5. Pressure control equipment: See attached well control plan and schematic of drilling contractor's BOP stack. BOP's will be tested before drilling out from Under surface casing and checked daily.
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24.

SIGNED

James C. Routson
James C. Routson

TITLE Consulting Petroleum Engineer

DATE

July 9, 1985

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

/s/ GENE NODINE

Acting

DISTRICT MANAGER

DATE

02 AUG 1985

CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED

SUBJECT TO RIGHT OF WAY

*See Instructions On Reverse Side

FLARING OR VENTING OF
GAS IS SUBJECT OF NTL 4-A
DATED 1/1/80

APPROVAL

State of Utah - DOWM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Beartooth Oil & Gas Company
Well No. North Bar X Federal 3
NWSE Sec. 1, T. 17 S., R. 25 E.
Grand County, Utah
Lease U-44444

CONDITIONS OF APPROVAL

A. DRILLING PROGRAM

A backup source, capable of closing the B.O.P.'s in case of a primary source failure, will be available.

All pressure tests on B.O.P.E. will be recorded in the driller's log.

Both casing strings will be tested to at least 1000 psi. This will be recorded in the driller's log.

All lease operations will be conducted in full compliance with applicable regulations (43 CFR 3100), Onshore Oil and Gas Order 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions and the approved plan will be made available to the field representative to insure compliance.

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the District Office. If operations are to be suspended, prior approval of the District Office will be obtained and notification given before resumption of operations.

The spud date will be reported orally to the Area Office within a minimum of 24 hours prior to spudding. Written notification in the form of a Sundry Notice (Form 3160-5) will be submitted to the District Office within 24 hours after spudding. If the spudding occurs on a weekend or holiday, the written report will be submitted on the following regular work day.

In accordance with Onshore Order No. 1 this well will be reported on Form 3160-6, "Monthly Report of Operations", starting with the month in which operations commence and continued each month until the well is plugged and abandoned. This report will be sent to the District Office, P.O. Box 970, Moab, Utah 84532.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported to the Office in accordance with requirements of NTL-3A.

If a replacement rig is needed for completion operations, A Sundry Notice (Form 3160-5) to that effect will be filed for prior approval from the District Office, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig. In emergency situations verbal approval to bring on a replacement rig will be approved through the District Office.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted to the District Office not later than thirty (30) days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the Moab District Manager.

If the well is to be completed for production the Area Office is to be contacted in order to set up a pre-production conference. When the well is placed in a producing status the District Office is to be notified by telegram or other written communication within five working days.

Approval to vent/flare gas during initial well evaluation will be obtained from the District Office. This preliminary approval will not exceed 30 days. Approval to vent/flare beyond this initial test period will require District Office approval pursuant to guidelines in NTL-4A.

No well abandonment operations will be commenced without the prior approval of the District Office. In the case of newly-drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the District Office. A Subsequent Report of Abandonment (Form 3160-5) will be sent to the District Office within 30 days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the Area Office, or the appropriate surface managing agency. Upon completion of approved plugging, a dry hole marker will be erected in accordance with 43 CFR 3162.6. The top of the marker will be closed or capped. The following minimum information will be permanently placed on the marker; "Fed" or "Ind", as applicable, "Lease number", "Well number", location of well by 1/4 1/4 section, township, and range.

B. SURFACE USE PROGRAM

The operator will contact the Grand Resource Area at (801) 259-8193, forty-eight (48) hours prior to beginning any dirt work on this location.

Surface disturbance and vehicular travel will be limited to the approved location and access road. Any additional area needed will be approved by the Area Manager in advance.

The access road will be rehabilitated or brought to Resource (Class III) Road Standards within sixty (60) days of dismantling of the drilling rig. If this time frame cannot be met, the Area Manager will be notified so that temporary drainage control can be installed along the access road.

Immediately upon completion of drilling, the location, and surrounding areas will be cleared of all remaining debris, materials, trash, and junk not required for production.

Produced waste water will be confined to a unlined pit.

If a tank battery is constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain 1-1/2 times the storage capacity of the battery.

All loading lines and valves will be placed inside the berm surrounding the tank battery.

All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the District Manager.

All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed.

Gas meter runs for each well will be located within five hundred (500) feet of the wellhead. The gas flowline will be buried from the wellhead to the meter along with any other sections occurring on the pad. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three (3) months on new meter installations and at least quarterly thereafter. The Area Manager will be provided with a date and time for the initial meter calibration and all future meter-proving schedules. A copy of the meter calibration reports will be submitted to the Resource Area Office. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

All permanent (onsite for six (6) months or longer) structures constructed or installed (including oil well pump jacks) will be painted a flat, nonreflective, earth tone color to match the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within six (6) months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded. Colors will be as follows:

Juniper Green

The operator or his contractor will notify the Grand Resource Area at (801) 259-8193 forty-eight (48) hours before starting reclamation work that involves earthmoving equipment and upon completion of restoration measures.

Prior to reseeding, all disturbed areas, including the access roads, will be scarified and left with a rough surface.

The following seed mixture will be used:

<u>Species</u>		<u>lbs/acre</u>
<u>Grasses</u>		
Agropyron spicatum	Bluebunch wheatgrass	1
Hilaria jamesii	Galleta (Curlygrass)	1
Oryzopsis hymenoides	Indian ricegrass	1
<u>Forbs</u>		
Melilotus officinalis	Yellow sweetclover	1/2
Medicago sativa	Alfalfa	1/2
	(Spreador II, Nomad, Ladak)	
<u>Shrubs</u>		
Eurotia lanata	Winterfat (Whitesage)	<u>2</u>
		6 lbs/acre

Broadcast seed will be applied at double the above rate.

Final location release will be issued when the seeding is shown to be successful (when perennial vegetation is established).

Your contact with the District Office is:

Greg Noble, Petroleum Engineer

Office Phone: (801)259-6111

Home Phone: _____

District Address:

82 East Dogwood, P.O. Box 970
Moab, Utah 84532

Your contact with the Grand Resource Area Office is:

Jeff Robbins

Office Phone: (801)259-8193

Home Phone: (801)259-7964

Area Office Address:

Sand Flats Road, P.O. Box M
Moab, Utah 84532

DIVISION OF OIL, GAS AND MINING

SPODDING INFORMATION

API #43-019-31193

NAME OF COMPANY: BEARTOOTHWELL NAME: NORTH BAR X FEDERAL #3SECTION NW SE 1 TOWNSHIP 17S RANGE 25E COUNTY GrandDRILLING CONTRACTOR VecoRIG # 1SPUDDED: DATE 10-25-85TIME 5 PMHOW Rotary

DRILLING WILL COMMENCE _____

REPORTED BY MarilynTELEPHONE # 406-259-2451DATE 10-28-85 SIGNED AS

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on re-
verse side)

Budget Bureau No. 1004-0135
Expires August 31, 1985

3. LEASE DESIGNATION AND SERIAL NO.
U-44444

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal

9. WELL NO.
North Bar-X Federal No. 3

10. FIELD AND POOL, OR WILDCAT
Undesignated

11. SEC., T., R., N., OR BLK. AND
SURVEY OR AREA

NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec 1-T17S-R25E

12. COUNTY OR PARISH

Grand

13. STATE

Utah

1. OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

BEARTOOTH OIL & GAS COMPANY

3. ADDRESS OF OPERATOR

PO Box 2564, BILLINGS, MONTANA 59103

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

2300' FSL, 1700' FEL, Section 1

14. PERMIT NO.

43-019-31193

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

5382 GL, 5393 KB

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANE

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

Status Report

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Spudded 12-1/4" hole at 5:00 p.m., 10/25/85, w/ Veco Drilling Company Rig No. 1. Drilled to 313'. Ran 8-5/8", 24#, J-55 casing to 304'. Cemented to surface with 175 sx Class "G", 3% CaCl₂, 1/4# celloflake/sack. Pressure tested casing, casing head, BOPs to 1000 psig before drilling out.

RECEIVED

NOV 01 1985

DIVISION OF OIL
GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

James G. Routson
James G. Routson

TITLE Consulting Petro. Engr.

DATE 10/28/85

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPlicate
(Other instruction
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		RECEIVED NOV 04 1985 BUREAU OF OIL GAS & MINING	5. LEASE DESIGNATION AND SERIAL NO. U-44444	
2. NAME OF OPERATOR Beartooth Oil & Gas company			6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR P. O. Box 2564, Billings, MT 59103			7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State regulations. See also space 17 below.) At surface 2300' FSL, 1700' FEL, Section 1			8. FARM OR LEASE NAME Federal	
14. PERMIT NO. 43-019-31193		15. ELEVATIONS (Show whether DF, ET, GR, etc.) 5382' GL, 5393' KB		9. WELL NO. North Bar-X Fedreal No. 3
				10. FIELD AND POOL, OR WILDCAT Undesignated
				11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec 1-T17S-R25E
				12. COUNTY OR PARISH Grand
				13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input checked="" type="checkbox"/> Status Report	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

Drilled 7-7/8" hole to 4000'. Ran 4-1/2", 10.5#, J-55 casing to 3909' KB.
PBDT 3867'. Cemented w/ 275 sx Thixotropic cement. Rig released at 11:00 a.m.,
10/31/85. Will move in completion rig about 11/20/85.

Log Tops:	Dakota Silt	3272'
	Dakota Sand	3362'
	Morrison	3580'
	Salt Wash	3883'

18. I hereby certify that the foregoing is true and correct

SIGNED James G. Routson
James G. Routson

TITLE Cons. Petro. Engr.

DATE 11/1/85

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

RECEIVED

NOV 14 1985

DIVISION OF OIL & GAS MINING

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER	7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR Beartooth Oil & Gas company	8. FARM OR LEASE NAME Federal
3. ADDRESS OF OPERATOR P. O. Box 2564, Billings, MT 59103	9. WELL NO. North Bar-X Federal No. 3
4. LOCATION OF WELL (Report location clearly and in accordance with any State law. See also space 17 below.) At surface 2300' FSL, 1700' FEL, Section 1	10. FIELD AND POOL, OR WILDCAT Undesignated
14. PERMIT NO. 43-019-31193	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NW 1/4 SW 1/4 Sec 1-T17S-R25E
15. ELEVATIONS (Show whether DF, RT, OR, etc.) 5382' GL, 5393' KB	12. COUNTY OR PARISH Grand
	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETE	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ABANDON*	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANE	<input type="checkbox"/>
(Other)	<input type="checkbox"/>		<input type="checkbox"/>

SUBSEQUENT REPORT OF:

WATER SHUT-OFF	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
FRACTURE TREATMENT	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
SHOOTING OR ACIDIZING	<input type="checkbox"/>	ABANDONMENT*	<input checked="" type="checkbox"/>
(Other)	<input type="checkbox"/>		<input type="checkbox"/>

Status Report

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Drilled 7-7/8" hole to 4000'. Ran 4-1/2", 10.5#, J-55 casing to 3909' KB.
PBTD 3867'. Cemented w/ 275 sx Thixotropic cement. Rig released at 11:00 a.m.,
10/31/85. Will move in completion rig about 11/20/85.

Log Tops: Dakota Silt 3272'
Dakota Sand 3362'
Morrison 3580'
Salt Wash 3883'

3833

Please note correction: Log Tops: Salt Wash 3833' (not 3883').

18. I hereby certify that the foregoing is true and correct

SIGNED <u>James G. Routson</u> James G. Routson (This space for Federal or State office use)	TITLE <u>Cons. Petro. Engr.</u>	DATE <u>11/1/85</u>
APPROVED BY <u>ACCEPTED</u> CONDITIONS OF APPROVAL, IF ANY:	TITLE <u>BRANCH OF FLUID MINERALS</u> <u>MOAB DISTRICT</u>	DATE <u>05 NOV 1985</u>

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

(See instructions on reverse side)

Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

U-44444

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal

9. WELL NO.

North Bar-X No. 3

10. FIELD AND POOL, OR WILDCAT

Undesignated

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec 1-T17S-R25E

12. COUNTY OR PARISH

Grand

13. STATE

Utah

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other _____

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. REVR. ☐ Other _____

2. NAME OF OPERATOR

Beartooth Oil & Gas Company

3. ADDRESS OF OPERATOR

P. O. Box 2564, Billings, Montana 59103

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface

2300' FSL, 1700' FEL, Section 1

At top prod. interval reported below

At total depth 2300' FSL, 1700' FEL, Section 1

Same as above

14. PERMIT NO.

43-019-31193

DATE ISSUED

July 19, 1985

15. DATE SPUDDED

10/25/85

16. DATE T.D. REACHED

10/29/85

17. DATE COMPL. (Ready to prod.)

11/22/85

18. ELEVATIONS (DP, RNS, RT, OR, ETC.)*

5382 GL, 5393 KB

19. ELEV. CASINGHEAD

5384

20. TOTAL DEPTH, MD & TVD

4000

21. PLUG BACK T.D., MD & TVD

3839

22. IF MULTIPLE COMPL., HOW MANY*

-

23. INTERVALS DRILLED BY

→

ROTARY TOOLS

0 - TD

CABLE TOOLS

None

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

Dakota Sand 3382-3462

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

GR-DOC-CNL, SP-DIL, GR-CBL-VDL

27. WAS WELL CORRED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24# J-55	304	12-1/4"	175 sx (to surface)	None
4-1/2"	10.5# J-55	3909	7-7/8"	275 sx (top @ 2488)	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)
None				

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
1-1/2"	3477	None

31. PERFORATION RECORD (Interval, size and number)

3400, 3403, 3432, 3434, 3436, 3450, 3454, 3458; total of 8 jets, .31" diameter

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3400-3458	500 gallons 15% HCl
3400-3458	Foam frac with 20,000# 100 mesh sand, 80,000# 20-40 sand, 81,480 gallons 75 Quality foam

33. PRODUCTION

DATE FIRST PRODUCTION 11/21/85		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing				WELL STATUS (Producing or shut-in) Shut-in	
DATE OF TEST 11/21/85	HOURS TESTED 12	CHOKE SIZE 1/2"	PROD'N. FOR TEST PERIOD →	OIL—BBL. 0	GAS—MCF. 1079	WATER—BBL. 0	GAS-OIL RATIO -
FLOW. TUBING PRESS. 370 psig	CASING PRESSURE 480 psig	CALCULATED 24-HOUR RATE →	OIL—BBL. 0	GAS—MCF. 2158	WATER—BBL. 0	OIL GRAVITY-API (CORR.) -	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Vented

TEST WITNESSED BY

Ralph Snow

35. LIST OF ATTACHMENTS

None, logs sent directly by Service Companies

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

James G. Routson

TITLE

Consulting Petro. Engr.

DATE

11/25/85

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Dakota	3382	3462	Gas
Morrison	3600	3607	Tight gas & water
Morrison	3680	3695	Tight gas & water

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Mancos	Surface	
Frontier	3008	
Dakota Silt	3272	
Dakota Sand	3362	
Morrison	3580	
Salt Wash	3833	

RECEIVED

DEC 05 1985

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
4241 State Office Building
Salt Lake City, UT 84114

DIVISION OF OIL
GAS & MINING*REPORT OF WATER ENCOUNTERED DURING DRILLING*

Well Name & Number North Bar-X Federal No. 3

Operator Beartooth Oil & Gas Company Address P. O. Box 2564, Billings MT 59103

Contractor Veco Drilling, Inc. Address P. O. Box 1705, Grand Junction Co 81502

Location NW 1/4 SW 1/4 Sec. 1 T. 17S R. 25E County Grand

Water Sands

<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
From	To	Flow Rate or Head	Fresh or Salty
1.	<u>None Encountered</u>		
2.			
3.			
4.			
5.			

(Continue on reverse side if necessary)

Formation Tops

Dakota 3382, Morrison 3600, Morrison 3680

Remarks

- NOTE: (a) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure.
- (b) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

EXPRESS MAIL ROUTING SLIP

PAM

pk 8:35 12-12

TAMI

TA 8:45 12-12

VICKY

VC 9:05 12-12

CLAUDIA

Ci 9:07 12/12

STEPHANE

SB 10:15 12-12

CHARLES

Cp 10:19 12-12

RULA

Rm 10:30 12/12

MARY ALICE

MAP 10:36 12/12

CONNIE

CD 1042 12-12

MILLIE

PAM

pk 1055 12/12

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on
reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

U-44444

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal

9. WELL NO.

North Bar-X Federal #3

10. FIELD AND POOL, OR WILDCAT

Undesignated

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec 1-T17S-R25E

12. COUNTY OR PARISH

Grand

13. STATE

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

RECEIVED

DEC 23 1985

DIVISION OF OIL
GAS & MINING

1. OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR
BEARTOOTH OIL & GAS COMPANY

3. ADDRESS OF OPERATOR
P. O. Box 2564, Billings MT 59103

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface

2300' FSL, 1700' FEL, Section 1

14. PERMIT NO.

43-019-31193

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

5382' GL, 5393' KB

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

First Production

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Well put on production at 12:30 p.m., 12/18/85.

BLM in Moab, Utah, notified by telephone on 12/19/85.

18. I hereby certify that the foregoing is true and correct

SIGNED James G. Routson

TITLE Consulting Petro. Engr.

DATE 12/19/85

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐

GAS
WELL ☒

OTHER

SINGLE
ZONE ☐

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Beartooth Oil & Gas Company

3. ADDRESS OF OPERATOR

P. O. Box 2564, Billings, Montana 59103

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface

2300' FSL, 1700' FEL, Section 1
At proposed prod. zone
same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

20 miles northwest of Mack, Colorado

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

340

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

None

16. NO. OF ACRES IN LEASE

160 DIVISION OF OIL

17. NO. OF ACRES ASSIGNED
TO THIS WELL

240

19. PROPOSED DEPTH OF WELL, FEET, AND ROTARY OR CABLE TOOLS

3993'

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5382' GL, 5393' KB

22. APPROX. DATE WORK WILL START*

August 18, 1985

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8" new	24# H-40 STC	300'	175 sacks Class 'G' to surface
7-7/8"	4-1/2" new	10.5# J-55 LTC	3993'	175 sacks REC

1. Surface formation is the Mancos.
2. Anticipated geologic markers are: Frontier 3001', Dakota 3393', Morrison 3439', Salt Wash 3874'.
3. Gas is anticipated in the Dakota, Morrison and in the Salt Wash. No oil or other minerals are anticipated. No water sands are expected.
4. Proposed casing program: See Item No. 23 above.
5. Pressure control equipment: See attached well control plan and schematic of drilling contractor's BOP stack. BOP's will be tested before drilling out from Under surface casing and checked daily.
6. Air or mist drilling will be used to drill the surface hole unless water is encountered. If water is encountered, chemical-gel type mud will be used. The well will be air drilled from under surface casing to total depth.
7. Auxiliary equipment: see well control plan.

(continued on page 2)

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

James G. Routson
James G. Routson

TITLE Consulting Petroleum Engineer

DATE July 9, 1985

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE OF UTAH DIVISION OF
OIL, GAS, AND MINING

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

DATE: 7/19/85

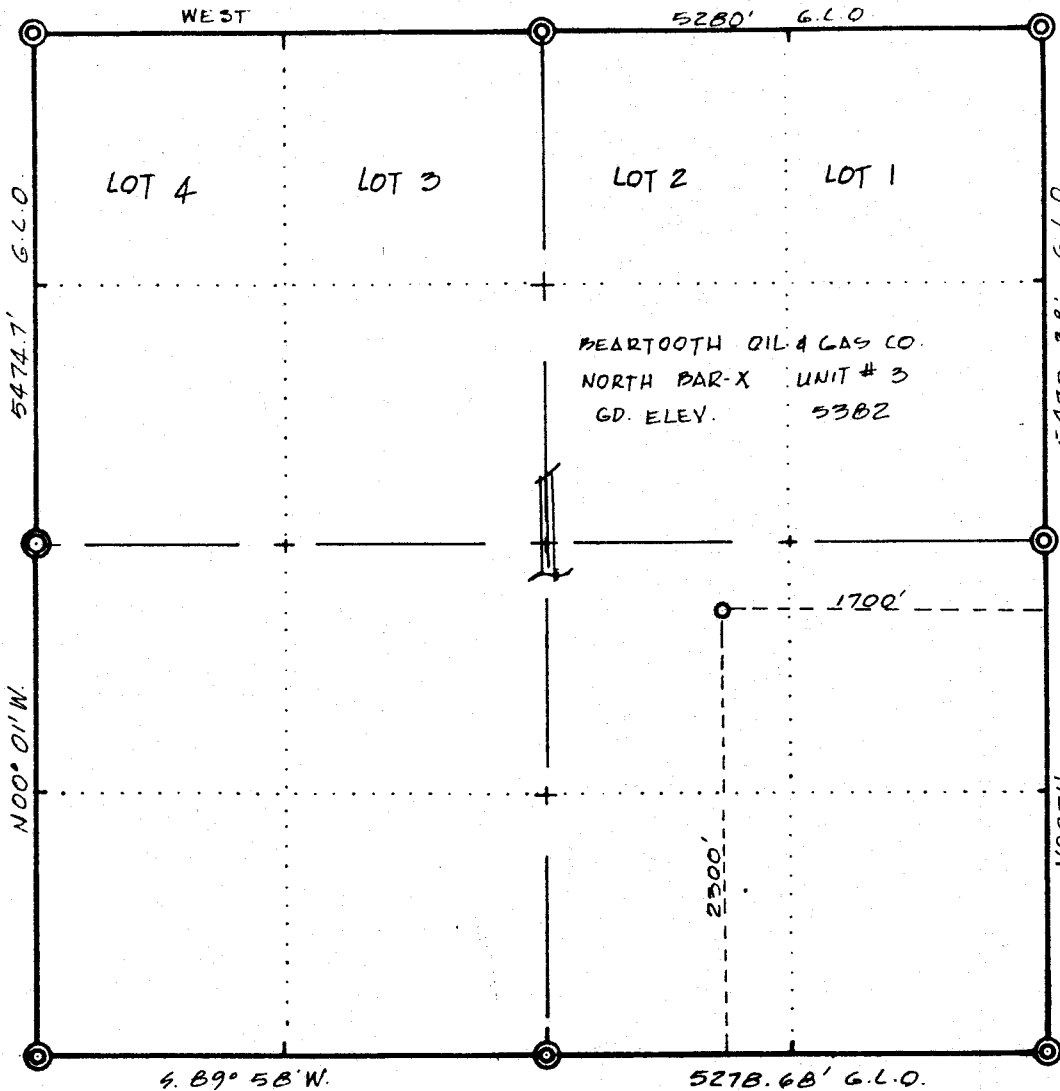
BY: *John R. Bay*

WELL SPACING: *Unas No. 165-11*

*See Instructions On Reverse Side

8. The logging program will consist of a DIL log from TD to base of surface casing, and GR-FDC-CNL logs from TD to above the Frontier. No cores or DST's are planned.
9. No abnormal pressures or temperatures are anticipated. No poisonous gas is anticipated.
10. Anticipated spud date is August 18, 1985. Completion operations should commence within 30 days of rig release.
11. Survey plats are attached.
12. The gas is dedicated to Mesa Pipeline.
13. The spacing unit will be the N $\frac{1}{2}$, N $\frac{1}{2}$ S $\frac{1}{2}$ of Section 1, as per Utah Cause No. 165-11 allowing 2 - 240 acre wells on one spacing unit. This order was approved February 28, 1985.
14. Designation of Operator forms from Hawthorn Oil Company are attached.
15. The well will be drilled under Utah Blanket Bond No. CC-7120203.

SEC. 1, T. 17S, R. 25E. OF THE S.L.M.



LEGEND
 (Symbol) STANDARD LOCATION OF GLO SECTION CORNERS
 (Symbol) GLO CORNERS FOUND
 (Symbol) WELL LOCATION STAKED.

REFERENCE DOCUMENTS
 1925 GLO PLAT
 BAR-X WASH, UT-CO QUADRANGLE, USGS

THIS WELL LOCATION PLAT WAS PREPARED FOR BEARTOOTH OIL & GAS CO.
 TO LOCATE THE NORTH BAR-X UNIT # 3, 2300' F.S.L.
1700' F.E.L. IN THE NW 1/4 SE 1/4, OF SECTION 1, T. 17S, R. 25E.
 OF THE S.L.M. GRAND COUNTY, UTAH

SURVEYOR'S CERTIFICATE

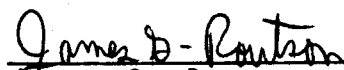
I, LARRY D. BECKER A REGISTERED LAND SURVEYOR IN THE STATE OF UTAH DO HEREBY CERTIFY THAT THIS SURVEY WAS MADE UNDER MY DIRECT SUPERVISION AND THAT THIS PLAT REPRESENTS SAID SURVEY.

Larry D. Becker

SURVEYED	2/30/84	ENERGY SURVEYS & ENGINEERING CORP.	715 HORIZON DRIVE, SUITE 330 GRAND JUNCTION, CO 81501 (303) 245-7221	SCALE 1"=1000'
DRAWN	10/1/84			JOB NO.
CHECKED				SHEET OF

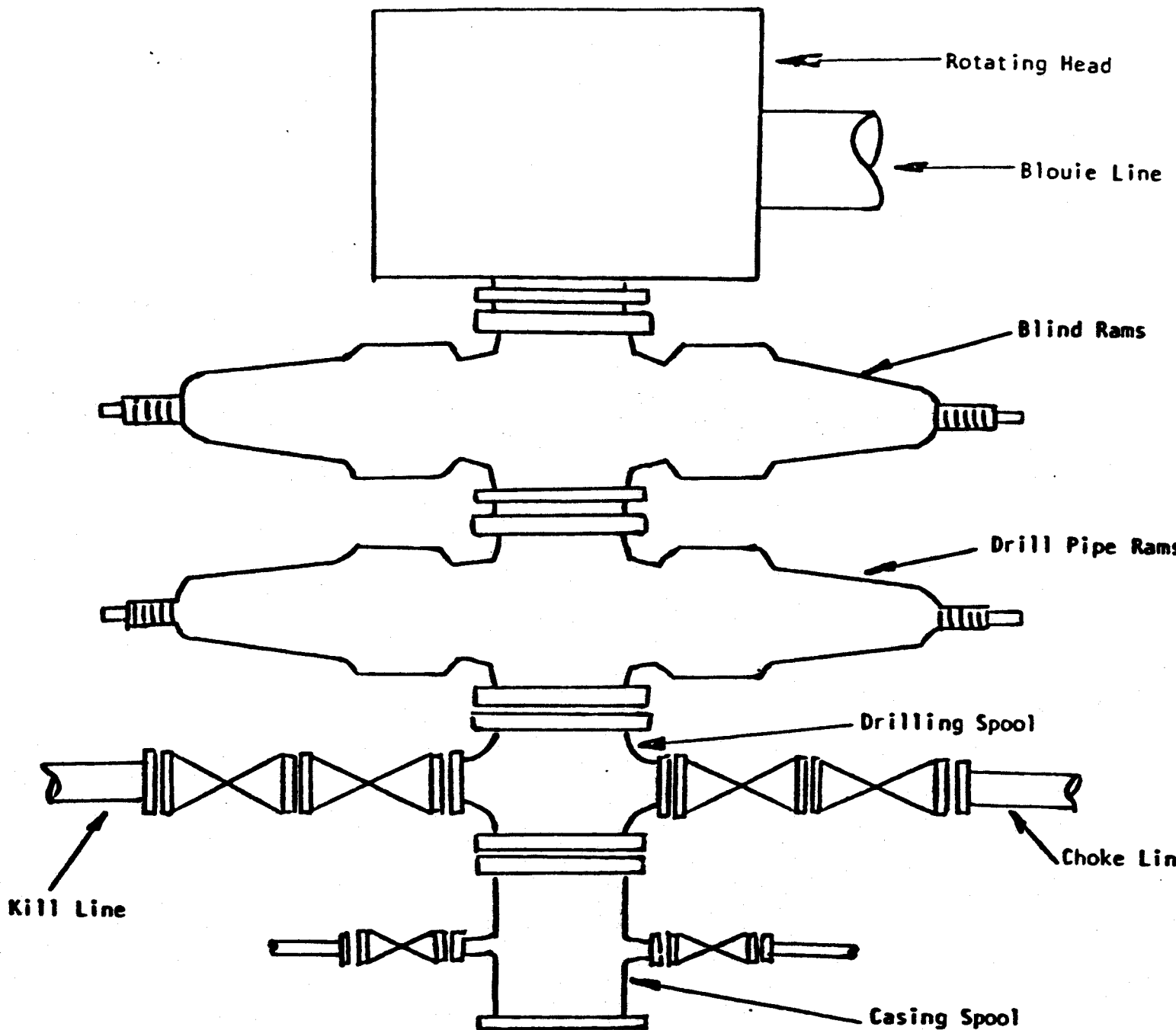
Beartooth Oil & Gas Company
North Bar-X Federal No.3
WELL CONTROL PLAN

1. Surface Casing: 8-5/8" O.D., 24#/ft., Grade H-40, ST&C, set at 300' or deeper, cemented with pump and plug method back to the surface or bottom of cellar.
2. Casinghead Flange: 8-5/8" x 8"-900 Series casinghead with two 2" 2000 psi L.P. outlets.
3. Intermediate Casing: None
4. Blowout Preventor: An 8" 3000 psig W.P. double gate hydraulic shaffer BOP (or equivalent) with drill rams and blind rams. All fill, kill and choke lines will be minimum of 2" 2000 psi W.P. A Grant rotating head will be used while air and mist drilling. BOP's will be worked daily. Blind rams will be checked during trips. BOP's will be tested to 1000 psi prior to drilling shoe joint on surface casing.
5. Auxiliary Equipment: (a) Drill pipe floets will be allowed at contractor's discretion. (b) Visual monitoring of air returns will be maintained. (c) Upper kelly cock will be used. (d) Stabbing valve will be kept on floor.
6. Anticipated bottom hole pressure is less than 900 psi at 3393 or a gradient of .265 psi/ft or less. No abnormal temperatures or hydrogen sulfide gas are anticipated.


James G. Routson
Petroleum Engineer

Air drilled wells using 900 series wellhead equipment.

Interval from 300' to total depth.



SURFACE USE PLAN

BEARTOOTH OIL & GAS COMPANY
NORTH BAR X FEDERAL #3
NW¼SE¼ Section 1-T17S-R25E
Grand County, Utah

1. Existing Roads

See Vicinity and Topo Maps. This proposed well is approximately 16 air miles northwest of Mack, Colorado. It is reached by going 9.5 miles west of Mack on Old Highway 6 & 50 to Mesa County 2 road; then turn right and go 4.1 miles northwesterly up 2 Road to the Colorado-Utah State line (fence). Then turn right and go 3.2 miles up (north) the State line fence road; turn left (west) and go 2.4 miles on the County oilfield road; then turn right (north) and go 1.7 miles to the Beartooth Oil & Gas Company North Bar X #1 well where the 0.6 mile of new road begins. All of the existing roads except for the last 1.7 miles are County roads. Beartooth has authorization to use the last 1.7 miles of existing oilfield road as access to its North Bar X #1 well. All of the existing roads will be maintained by Beartooth in conjunction with the County and area oil and gas operators. The existing roads are colored green on the maps.

2. Access Roads to be Constructed and Reconstructed

See Map #1 - Access and Topo Map. The 0.6 mile of new road will be constructed as a BLM-Moab Class III well access road. It will have an 18 foot wide driving surface with a total disturbed width of 35 to 55 feet depending on topography. The road will be ditched and crowned on flat ground and insloped 2% on sidehill cuts. Drainage design will utilize natural land contour and water will be carried across the road with water dips. No culverts will be used. No fences, modifications, nor cattleguards are necessary. There is one low water wash crossing just west of the wellsite.

Road surfacing materials will be the existing native materials. The maximum road grade is 5%-6%. The road is flagged with orange flagging. The new access road is colored red on Map #1.

3. Location of Existing Wells

See Map No. 3

4. Location of Existing and/or Proposed Facilities if Well is Productive

(a) On Well Pad - See Plat No. 5

(b) Off Well Pad - See Facilities Map

Beartooth Oil & Gas Company proposes to construct a buried 2" gas line from the North Bar X #3 to Beartooth's existing pipeline at the North Bar X #1 well. This line will be constructed adjacent to the new access road. The line is considered an amendment to Beartooth's existing North Bar X pipeline system. R/W Grant #U-53849.

5. Location and Type of Water Supply

The water source for this well is West Salt Creek. The pickup point is an Old Highway 6 & 50 approximately 2.5 miles west of Mack, Colorado.

6. Source of Construction Materials

No construction materials will be used other than native materials. Soil from cuts will be used in fills. No outside material will be brought in.

7. Methods for Handling Waste Disposal

Cuttings will be buried in the reserve pit at clean up. Garbage and other waste material will be contained in a trash cage. This cage will be dumped at an approved sanitary land fill. Human waste will be disposed of in chemically treated sanitary pits.

Drilling fluids will be contained in the reserve pit and left to evaporate. Any fluids produced during testing operations will be collected in a test tank. If a test tank is not available, the fluids will be contained in the reserve pit. Any spills of oil, gas, salt water or noxious fluid will be cleaned up and removed.

If the well is productive, produced water will be disposed of on site for 30 days only, or 90 days with the permission of the District Manager. After that time, application will be made for approval of permanent disposal method in compliance with old MMS Order NTL-2B, and the rules and regulations of the State of Utah.

8. Ancillary Facilities

No ancillary facilities are planned.

9. Wellsite Layout

See Plat #2 - Pit and Pad Layout

See Plat #3 - Cross Sections of Pit and Pad

See Plat #4 - Rig Layout

The location will be constructed large enough to accommodate the drilling rig and associated equipment with allowance made for future completion and fracturing equipment.

The location construction will begin by stripping and stockpiling all available (4-6") topsoil. The stockpile will be along the east and west ends of the location.

The reserve pit will be constructed along the north side of the well pad. The pit will be fenced on three sides during drilling and closed on the fourth side at rig release. The fence will be maintained through completion and while the pit area is drying.

10. Plans for Reclamation of the Surface

If the well is productive, the reserve pit will be allowed to dry and then backfilled. All of the area not necessary for production will be resloped, covered with available topsoil and revegetated using a seed formula supplied by the BLM.

If the well is abandoned, the entire area of disturbance will be returned to a reasonable contour approximating the topography of the surrounding area. The topsoil will be distributed over the recontoured area and revegetated using the appropriate seed formula.

Clean-up will begin after completion rig release and resloping should be completed by the Fall of 1985.

11. Surface Ownership

All lands involving new construction are Federal lands.

12. Other Information

The well site sits between two washes on the Mancos desert floor. The vegetation is sparse and includes juniper, sagebrush, western wheatgrass, Indian rice grass and a few annual plants.

13. Lessee's or Operator's Representatives and Certification

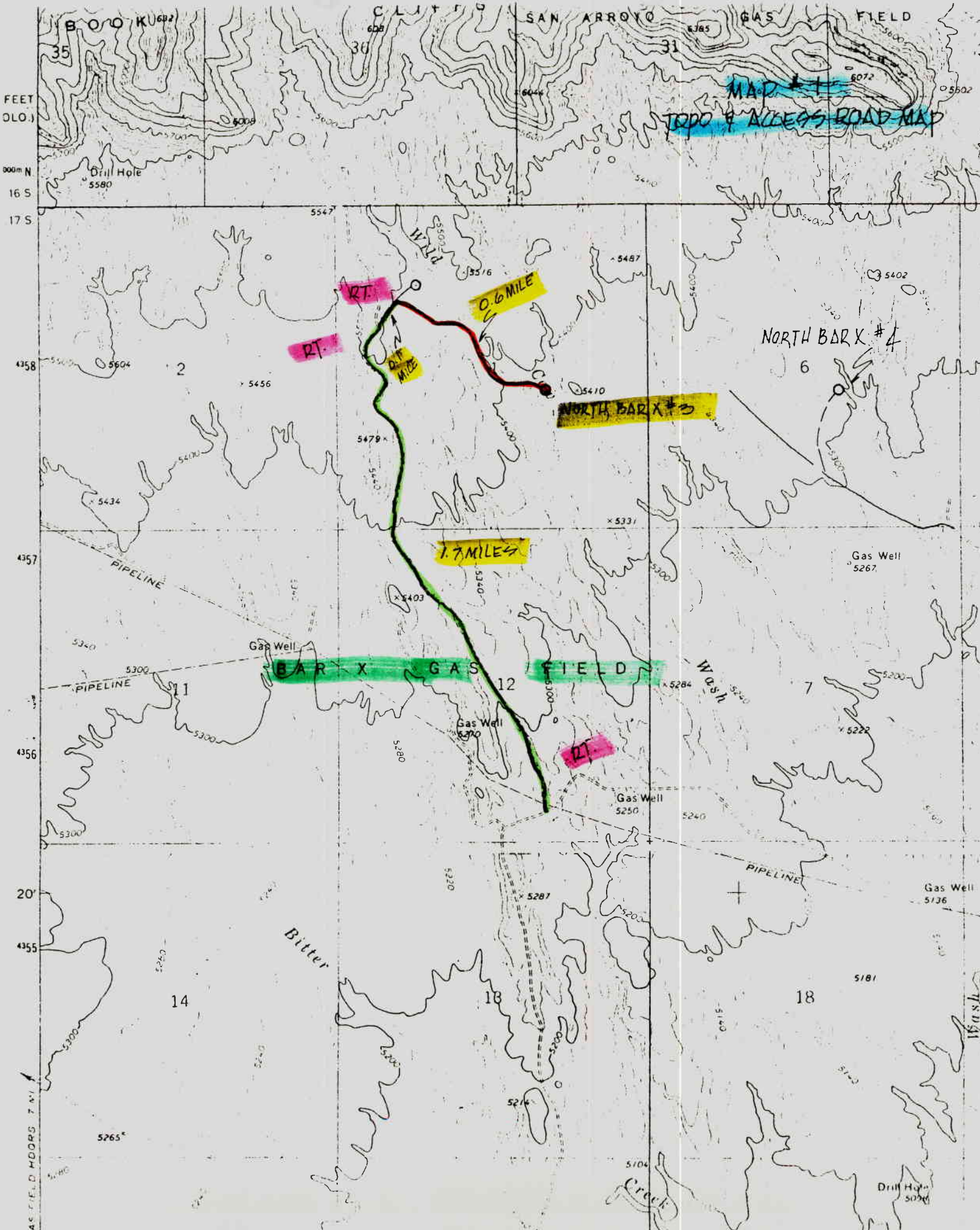
James G. Routson
Beartooth Oil & Gas Company
P. O. Box 3564
Billings, Montana 59103
Office Phone: 406-259-2451
Home Phone: 406-245-8797

Ken Currey
Beartooth Oil & Gas Company
P. O. Box 1491
Fruita, Colorado 81521
Office/Home: 303-858-3257
Mobile: 303-245-3660, Unit 5858

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are to the best of my knowledge, true and correct; and that the work associated with operations proposed herein will be performed by Beartooth Oil & Gas Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

July 9, 1985
Date

James G. Routson
James G. Routson
Consulting Petroleum Engineer



MAP 4
TOPO & ACCESS ROAD MAP

0.6 MILE

1.7 MILES

BARK X GAS FIELD

NORTH BARK #4

NORTH BARK #3

Gas Well

Gas Well

Gas Well

Gas Well

FEET
DLO.)

000m N

16 S

17 S

4357

4356

20'

4355

5265

5280

5300

5320

5340

5360

5380

5400

5420

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6160

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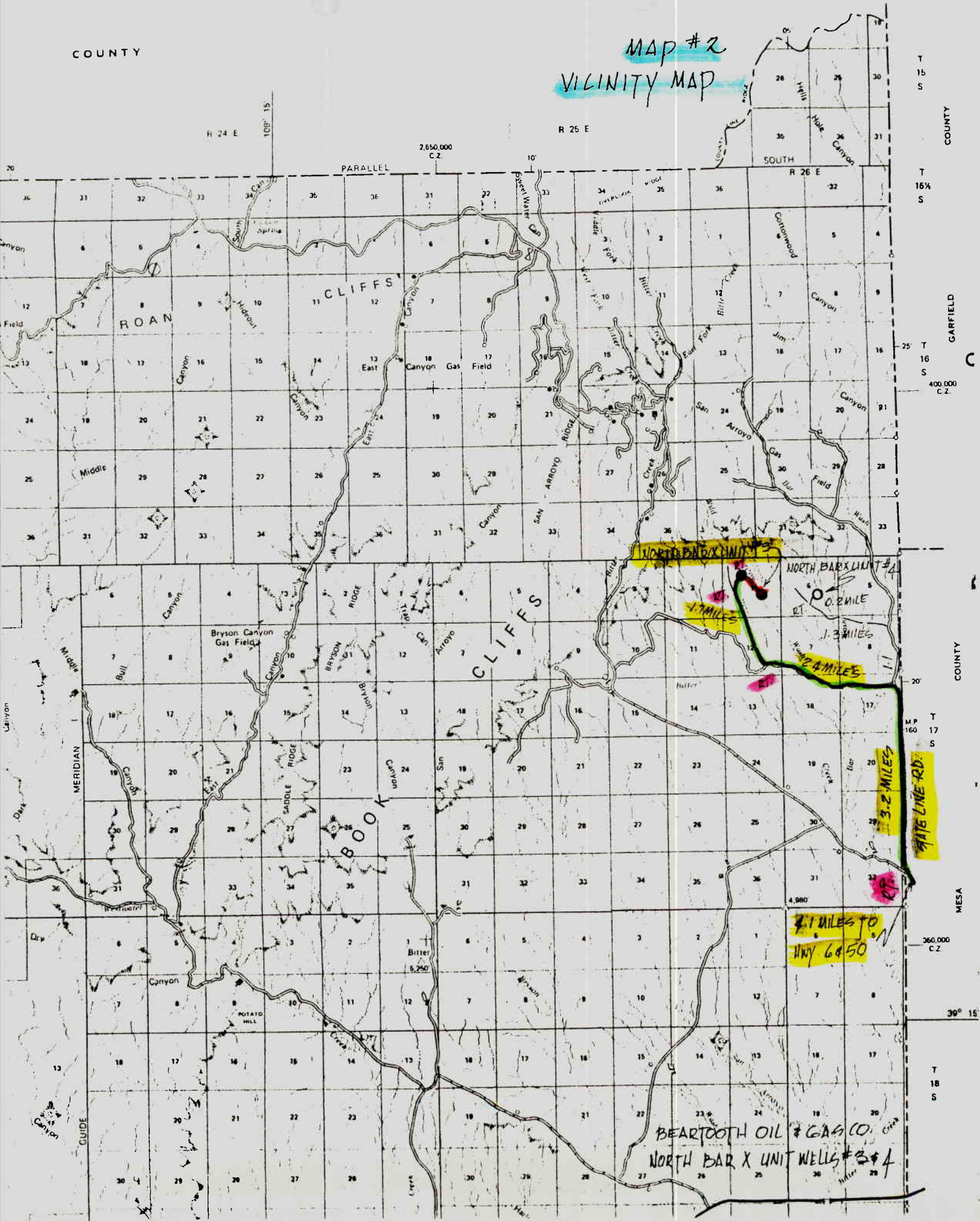
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9980

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COUNTY

MAP #2
VICINITY MAP



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COUNTY

T
16
S

GARFIELD

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17
S

COUNTY

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18
S

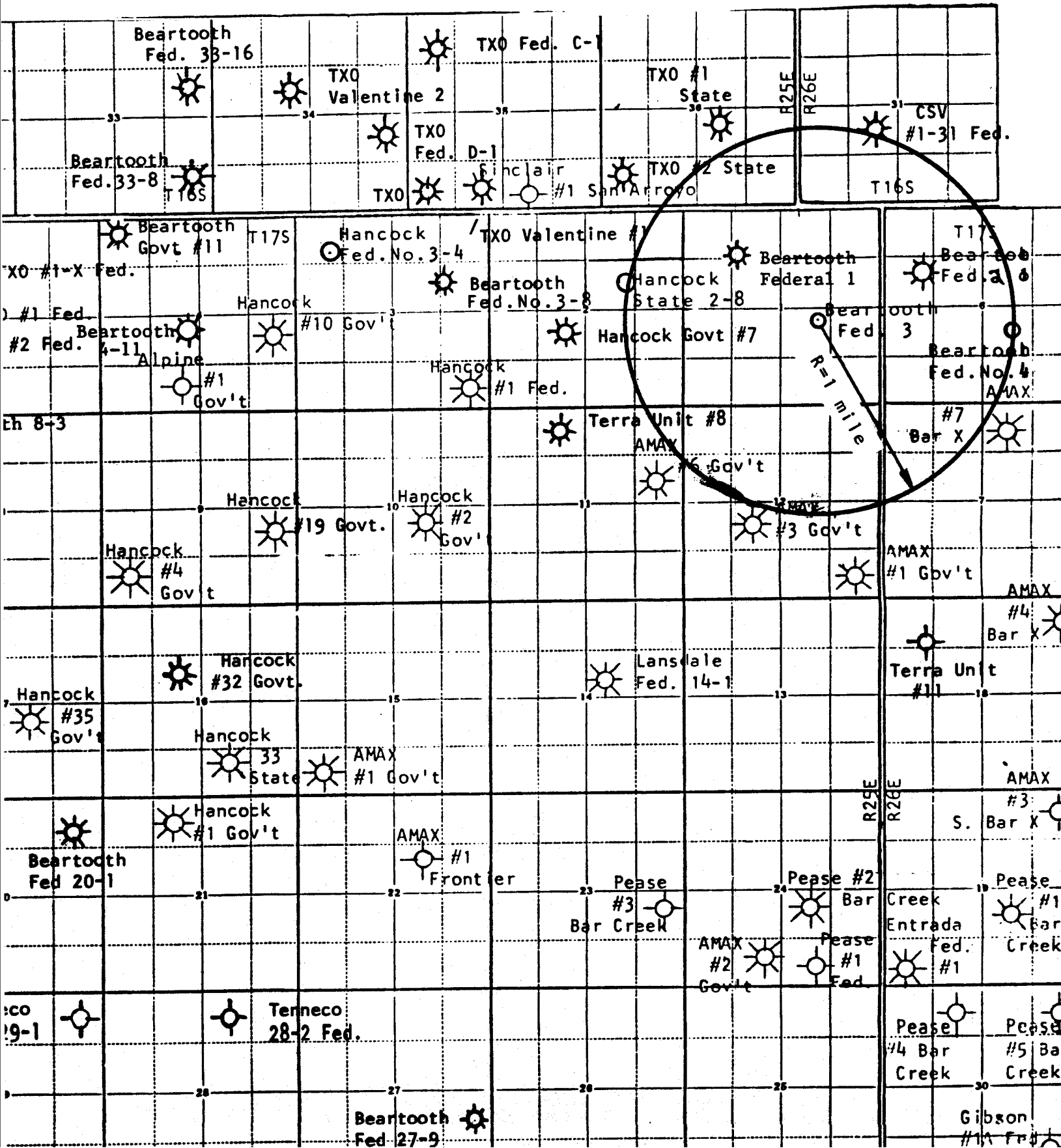
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COUNTY

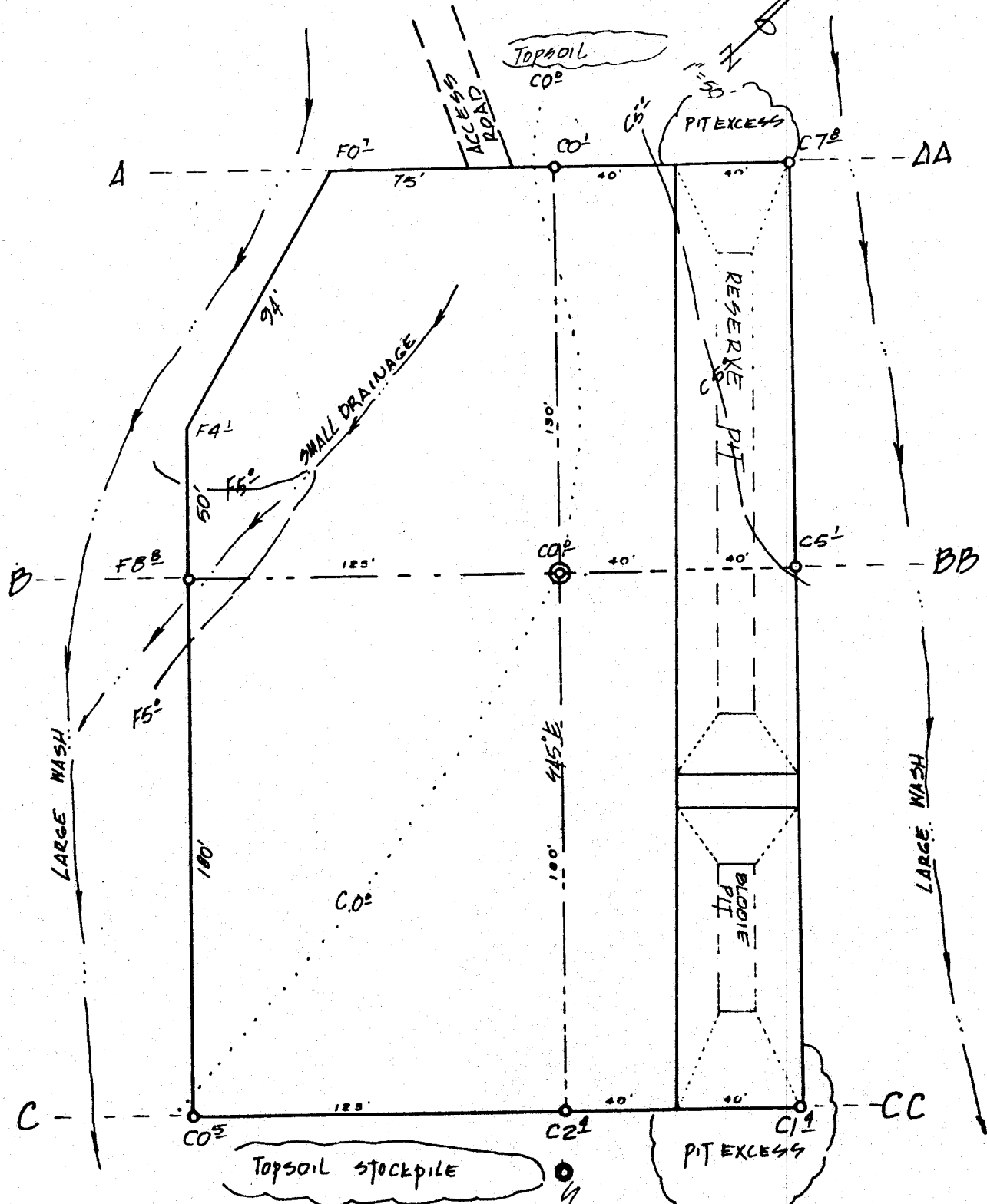
WELL MAP NO. 3

Township 16, 17, 18S, Range 24, 25, 26E, County Grand, State Utah



PLAT # 2
PIT & PAD LAYOUT

REF. PT. 200' N. 45° W. FO^2 TO PAD GRADE



ESTIMATED C.Y. OF MATERIAL

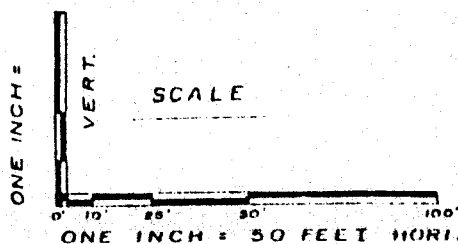
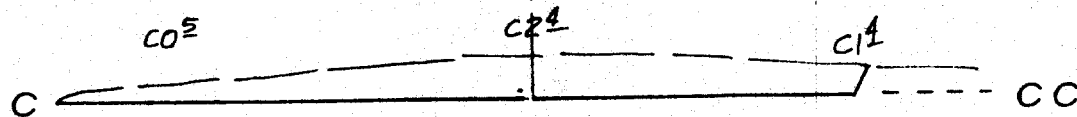
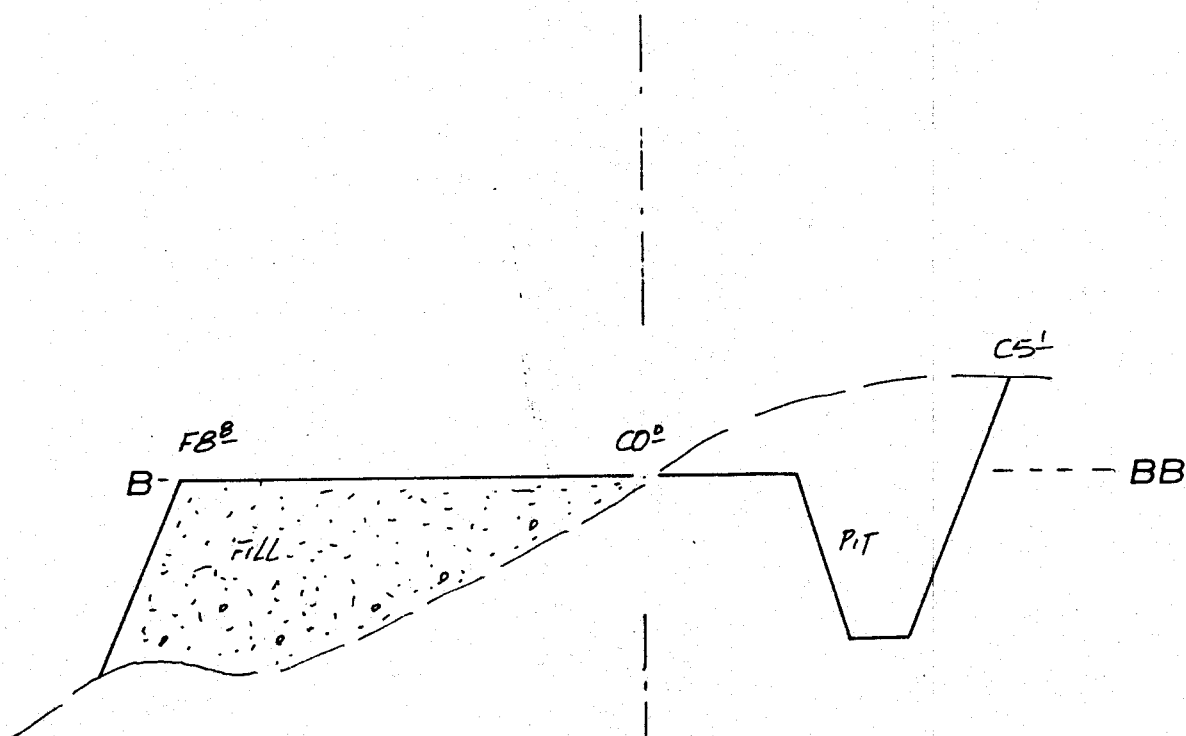
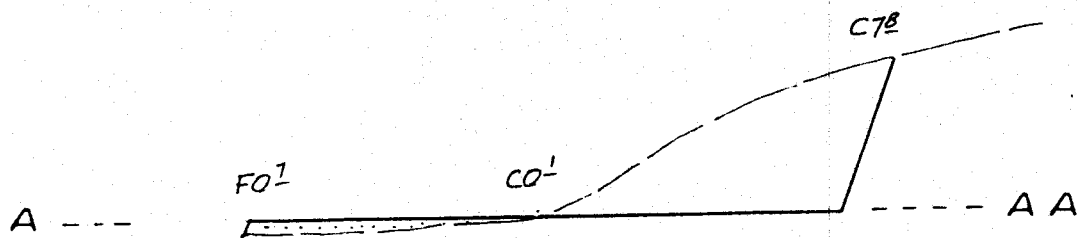
REF PT 200' 445°E C1-4 TO PAD CRUISE

CUT 5707 C.Y.
FILL 2675 C.Y.
Topsoil 1145 C.Y.

BEARTOOTH OIL & GAS CO.
NORTH DAK X #3

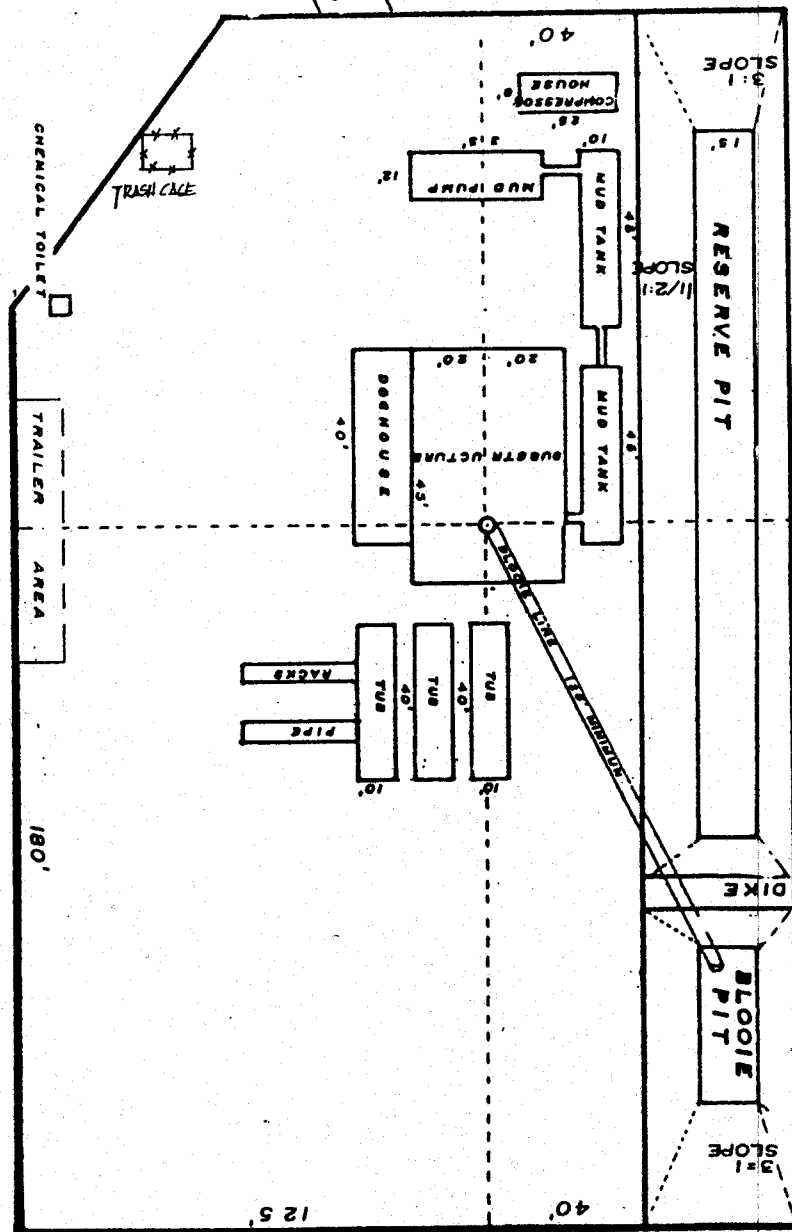
PLAT # 3

CROSS-SECTIONS
OF PIT & PAD



DEARTOOTH OIL & GAS CO.
NORTH DAK. - # 3

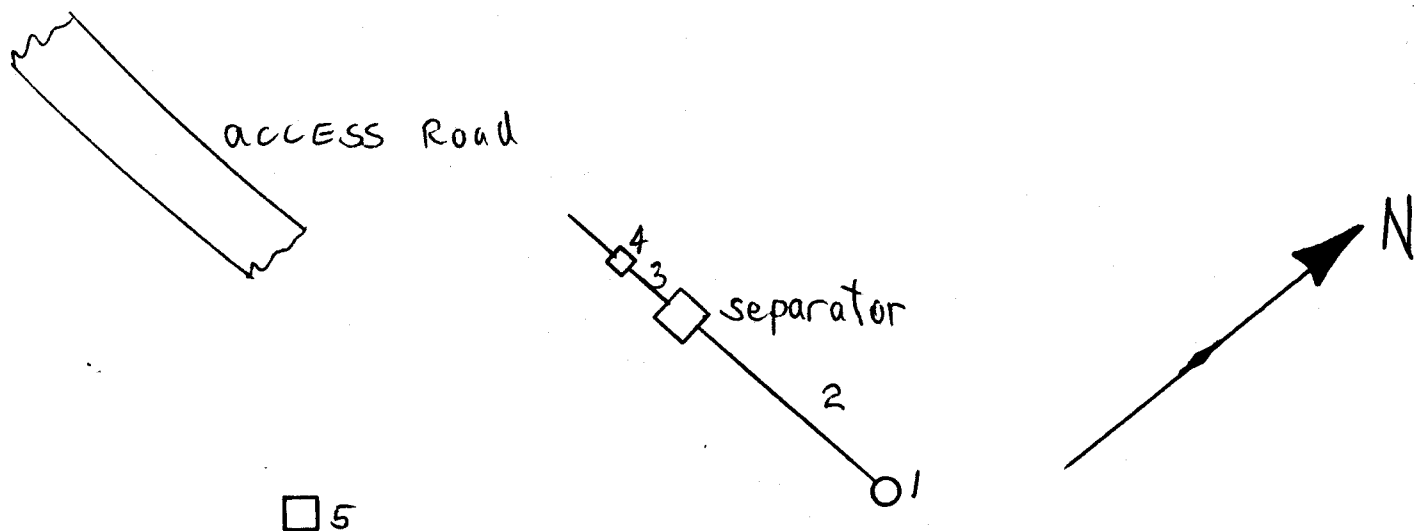
ACCE 44
ROAD



BEARTOOTH OIL & GAS CO.
NORTH BARK - #3

A diagram showing a horizontal line representing a mirror. An incident ray, labeled $i = 50^\circ$, strikes the mirror at a point. A reflected ray, labeled $r = 50^\circ$, is shown reflecting away from the same point. A small square at the point of incidence indicates that the incident ray is perpendicular to the mirror surface.

PLAT NO. 5 FACILITIES SCHEMATIC



1. Wellhead will be an 8-5/8" Larkin Fig. 92 or equivalent. Tubing head will be a 4 1/2" x 6"-900 Series with two 2" 3000 psi screwed valves. Tree will be 2" screwed x 2000 psi W.P.
2. Line between wellhead and separator will be approximately 100 feet in length and constructed of 2-3/8" .218 wall seamless, welded, wrapped and buried approximately 5 feet deep.
3. Line between separator and meter will be 4" or 4.028 OD seamless, welded, coated, wrapped and buried, and will be approximately 25 feet in length.
4. Meter run will be American 2" run, or equivalent, 1000 psi static rating, 100" of water differential rating.
5. Pit will be 10'x 10', enclosed by dikes and fenced.

SUPERVISOR, OIL AND GAS OPERATIONS:

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of oil and gas lease

DISTRICT LAND OFFICE: Salt Lake City, Utah

SERIAL NO.: U-44444

and hereby designates

NAME: Beartooth Oil & Gas Company

ADDRESS: P. O. Box 2564

Billings, Montana 59103

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Oil and Gas Operating Regulations with respect to (describe acreage to which this designation is applicable):

Township 17 South, Range 25 EastSection 1: $N\frac{1}{2}S\frac{1}{2}$

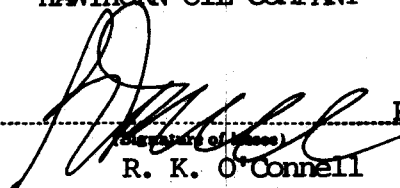
Grand County, Utah

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Oil and Gas Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the oil and gas supervisor of any change in the designated operator.

HAWTHORN OIL COMPANY



President
R. K. O'Connell

P. O. Box 2693

Casper, Wyoming 82602

June 24, 1985

(Date)

(Address)

OPERATOR Bentrock Oil & Gas Co.

DATE 7-16-85

WELL NAME North Bow X Fed #3

SEC NW SE 1 T 17S R 25E COUNTY Grant

43-019-31193
API NUMBER

Ac
TYPE OF LEASE

CHECK OFF:

☒

PLAT

☒

BOND

☒

NEAREST WELL

☒

LEASE

☒

FIELD

☒

POTASH OR
OIL SHALE

PROCESSING COMMENTS:

No other well within 2500'

Need water permit

APPROVAL LETTER:

SPACING:

☐

A-3

UNIT

☒

c-3-a

165-11 2/28/85
CAUSE NO. & DATE

☐

c-3-b

☐

c-3-c

STIPULATIONS:

1- Water



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

July 19, 1985

Beartooth Oil & Gas Company
P. O. Box 2564
Billings, Montana 59103

Gentlemen:

Re: Well No. North Bar X Federal 3 - NW SE Sec. 1, T. 17S, R. 25E
2300' FSL, 1700' FEL - Grand County, Utah

Approval to drill the above-referenced gas well is hereby granted in accordance with the Order of Cause No. 165-11 dated February 28, 1985 subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water.

In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or R. J. Firth, Associate Director, (Home) 571-6068.

Page 2
Beartooth Oil & Gas Company
Well No. North Bar X Federal 3
July 19, 1985

4. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-019-31193.

Sincerely,



R. J. Firth
Associate Director, Oil & Gas

as
Enclosures
cc: Branch of Fluid Minerals

REC'D MDO JUL 11 1985

SUBMIT IN DUPLICATE
(Other instructions on
reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐

GAS
WELL ☒

OTHER

SINGLE
ZONE ☐

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Beartooth Oil & Gas Company

3. ADDRESS OF OPERATOR

P. O. Box 2564, Billings, Montana 59103

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

2300' FSL, 1700' FEL, Section 1

At proposed prod. zone

same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE

20 miles northwest of Mack, Colorado

15. DISTANCE FROM PROPOSED

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

340

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

None

16. NO. OF ACRES IN LEASE

160

17. NO. OF ACRES ASSIGNED

240

19. PROPOSED DEPTH

3993'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5382' GL, 5393' KB

22. APPROX. DATE WORK WILL START

August 18, 1985

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
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7-7/8"	4-1/2" new	10.5# J-55 LTC	3993'	175 sacks RFC

1. Surface formation is the Mancos.
2. Anticipated geologic markers are: Frontier 3001', Dakota 3393', Morrison 3439', Salt Wash 3874'.
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4. Proposed casing program: See Item No. 23 above.
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7. Auxiliary equipment: see well control plan.

(continued on page 2)

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24.

SIGNED

James C. Routson
James C. Routson

TITLE Consulting Petroleum Engineer

DATE

July 9, 1985

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

/s/ GENE NODINE

Acting

DISTRICT MANAGER

DATE

02 AUG 1985

CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED

SUBJECT TO RIGHT OF WAY

*See Instructions On Reverse Side

FLARING OR VENTING OF
GAS IS SUBJECT OF NTL 4-A
DATED 1/1/80

APPROVAL

State of Utah - DOWM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Beartooth Oil & Gas Company
Well No. North Bar X Federal 3
NWSE Sec. 1, T. 17 S., R. 25 E.
Grand County, Utah
Lease U-44444

CONDITIONS OF APPROVAL

A. DRILLING PROGRAM

A backup source, capable of closing the B.O.P.'s in case of a primary source failure, will be available.

All pressure tests on B.O.P.E. will be recorded in the driller's log.

Both casing strings will be tested to at least 1000 psi. This will be recorded in the driller's log.

All lease operations will be conducted in full compliance with applicable regulations (43 CFR 3100), Onshore Oil and Gas Order 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions and the approved plan will be made available to the field representative to insure compliance.

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the District Office. If operations are to be suspended, prior approval of the District Office will be obtained and notification given before resumption of operations.

The spud date will be reported orally to the Area Office within a minimum of 24 hours prior to spudding. Written notification in the form of a Sundry Notice (Form 3160-5) will be submitted to the District Office within 24 hours after spudding. If the spudding occurs on a weekend or holiday, the written report will be submitted on the following regular work day.

In accordance with Onshore Order No. 1 this well will be reported on Form 3160-6, "Monthly Report of Operations", starting with the month in which operations commence and continued each month until the well is plugged and abandoned. This report will be sent to the District Office, P.O. Box 970, Moab, Utah 84532.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported to the Office in accordance with requirements of NTL-3A.

If a replacement rig is needed for completion operations, A Sundry Notice (Form 3160-5) to that effect will be filed for prior approval from the District Office, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig. In emergency situations verbal approval to bring on a replacement rig will be approved through the District Office.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted to the District Office not later than thirty (30) days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the Moab District Manager.

If the well is to be completed for production the Area Office is to be contacted in order to set up a pre-production conference. When the well is placed in a producing status the District Office is to be notified by telegram or other written communication within five working days.

Approval to vent/flare gas during initial well evaluation will be obtained from the District Office. This preliminary approval will not exceed 30 days. Approval to vent/flare beyond this initial test period will require District Office approval pursuant to guidelines in NTL-4A.

No well abandonment operations will be commenced without the prior approval of the District Office. In the case of newly-drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the District Office. A Subsequent Report of Abandonment (Form 3160-5) will be sent to the District Office within 30 days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the Area Office, or the appropriate surface managing agency. Upon completion of approved plugging, a dry hole marker will be erected in accordance with 43 CFR 3162.6. The top of the marker will be closed or capped. The following minimum information will be permanently placed on the marker; "Fed" or "Ind", as applicable, "Lease number", "Well number", location of well by 1/4 1/4 section, township, and range.

B. SURFACE USE PROGRAM

The operator will contact the Grand Resource Area at (801) 259-8193, forty-eight (48) hours prior to beginning any dirt work on this location.

Surface disturbance and vehicular travel will be limited to the approved location and access road. Any additional area needed will be approved by the Area Manager in advance.

The access road will be rehabilitated or brought to Resource (Class III) Road Standards within sixty (60) days of dismantling of the drilling rig. If this time frame cannot be met, the Area Manager will be notified so that temporary drainage control can be installed along the access road.

Immediately upon completion of drilling, the location, and surrounding areas will be cleared of all remaining debris, materials, trash, and junk not required for production.

Produced waste water will be confined to a unlined pit.

If a tank battery is constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain 1-1/2 times the storage capacity of the battery.

All loading lines and valves will be placed inside the berm surrounding the tank battery.

All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the District Manager.

All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed.

Gas meter runs for each well will be located within five hundred (500) feet of the wellhead. The gas flowline will be buried from the wellhead to the meter along with any other sections occurring on the pad. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three (3) months on new meter installations and at least quarterly thereafter. The Area Manager will be provided with a date and time for the initial meter calibration and all future meter-proving schedules. A copy of the meter calibration reports will be submitted to the Resource Area Office. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

All permanent (onsite for six (6) months or longer) structures constructed or installed (including oil well pump jacks) will be painted a flat, nonreflective, earth tone color to match the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within six (6) months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded. Colors will be as follows:

Juniper Green

The operator or his contractor will notify the Grand Resource Area at (801) 259-8193 forty-eight (48) hours before starting reclamation work that involves earthmoving equipment and upon completion of restoration measures.

Prior to reseeding, all disturbed areas, including the access roads, will be scarified and left with a rough surface.

The following seed mixture will be used:

<u>Species</u>		<u>lbs/acre</u>
<u>Grasses</u>		
Agropyron spicatum	Bluebunch wheatgrass	1
Hilaria jamesii	Galleta (Curlygrass)	1
Oryzopsis hymenoides	Indian ricegrass	1
<u>Forbs</u>		
Melilotus officinalis	Yellow sweetclover	1/2
Medicago sativa	Alfalfa	1/2
	(Spreador II, Nomad, Ladak)	
<u>Shrubs</u>		
Eurotia lanata	Winterfat (Whitesage)	<u>2</u>
		6 lbs/acre

Broadcast seed will be applied at double the above rate.

Final location release will be issued when the seeding is shown to be successful (when perennial vegetation is established).

Your contact with the District Office is:

Greg Noble, Petroleum Engineer

Office Phone: (801)259-6111

Home Phone: _____

District Address:

82 East Dogwood, P.O. Box 970
Moab, Utah 84532

Your contact with the Grand Resource Area Office is:

Jeff Robbins

Office Phone: (801)259-8193

Home Phone: (801)259-7964

Area Office Address:

Sand Flats Road, P.O. Box M
Moab, Utah 84532

DIVISION OF OIL, GAS AND MINING

SPODDING INFORMATION

API #43-019-31193

NAME OF COMPANY: BEARTOOTHWELL NAME: NORTH BAR X FEDERAL #3SECTION NW SE 1 TOWNSHIP 17S RANGE 25E COUNTY GrandDRILLING CONTRACTOR VecoRIG # 1SPUDDED: DATE 10-25-85TIME 5 PMHOW Rotary

DRILLING WILL COMMENCE _____

REPORTED BY MarilynTELEPHONE # 406-259-2451DATE 10-28-85 SIGNED AS

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on re-
verse side)

Budget Bureau No. 1004-0135
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.
U-44444

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal

9. WELL NO.
North Bar-X Federal No. 3

10. FIELD AND POOL, OR WILDCAT
Undesignated

11. SEC., T., R., N., OR BLK. AND
SURVEY OR AREA

NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec 1-T17S-R25E

12. COUNTY OR PARISH

Grand

13. STATE

Utah

1. ☐ OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

BEARTOOTH OIL & GAS COMPANY

3. ADDRESS OF OPERATOR

PO Box 2564, BILLINGS, MONTANA 59103

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

2300' FSL, 1700' FEL, Section 1

14. PERMIT NO.

43-019-31193

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

5382 GL, 5393 KB

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANE

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

Status Report

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Spudded 12-1/4" hole at 5:00 p.m., 10/25/85, w/ Veco Drilling Company Rig No. 1. Drilled to 313'. Ran 8-5/8", 24#, J-55 casing to 304'. Cemented to surface with 175 sx Class "G", 3% CaCl₂, 1/4# celloflake/sack. Pressure tested casing, casing head, BOPs to 1000 psig before drilling out.

RECEIVED

NOV 01 1985

DIVISION OF OIL
GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

James G. Routson
James G. Routson

TITLE Consulting Petro. Engr.

DATE 10/28/85

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPlicate
(Other instruction
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		RECEIVED NOV 04 1985 BUREAU OF OIL GAS & MINING	5. LEASE DESIGNATION AND SERIAL NO. U-44444	
2. NAME OF OPERATOR Beartooth Oil & Gas company			6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR P. O. Box 2564, Billings, MT 59103			7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State regulations. See also space 17 below.) At surface 2300' FSL, 1700' FEL, Section 1			8. FARM OR LEASE NAME Federal	
14. PERMIT NO. 43-019-31193		15. ELEVATIONS (Show whether DF, ET, GR, etc.) 5382' GL, 5393' KB		9. WELL NO. North Bar-X Fedreal No. 3
				10. FIELD AND POOL, OR WILDCAT Undesignated
				11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec 1-T17S-R25E
				12. COUNTY OR PARISH Grand
				13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input checked="" type="checkbox"/> Status Report	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

Drilled 7-7/8" hole to 4000'. Ran 4-1/2", 10.5#, J-55 casing to 3909' KB.
PBDT 3867'. Cemented w/ 275 sx Thixotropic cement. Rig released at 11:00 a.m.,
10/31/85. Will move in completion rig about 11/20/85.

Log Tops:	Dakota Silt	3272'
	Dakota Sand	3362'
	Morrison	3580'
	Salt Wash	3883'

18. I hereby certify that the foregoing is true and correct

SIGNED James G. Routson
James G. Routson

TITLE Cons. Petro. Engr.

DATE 11/1/85

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

RECEIVED

NOV 14 1985

DIVISION OF OIL & GAS MINING

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER	7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR Beartooth Oil & Gas company	8. FARM OR LEASE NAME Federal
3. ADDRESS OF OPERATOR P. O. Box 2564, Billings, MT 59103	9. WELL NO. North Bar-X Federal No. 3
4. LOCATION OF WELL (Report location clearly and in accordance with any State law. See also space 17 below.) At surface 2300' FSL, 1700' FEL, Section 1	10. FIELD AND POOL, OR WILDCAT Undesignated
14. PERMIT NO. 43-019-31193	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NW 1/4 SW 1/4 Sec 1-T17S-R25E
15. ELEVATIONS (Show whether DF, RT, OR, etc.) 5382' GL, 5393' KB	12. COUNTY OR PARISH Grand
	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETE	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ABANDON*	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANE	<input type="checkbox"/>
(Other)	<input type="checkbox"/>		<input type="checkbox"/>

SUBSEQUENT REPORT OF:

WATER SHUT-OFF	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
FRACTURE TREATMENT	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
SHOOTING OR ACIDIZING	<input type="checkbox"/>	ABANDONMENT*	<input checked="" type="checkbox"/>
(Other)	<input type="checkbox"/>		<input type="checkbox"/>

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

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PBTD 3867'. Cemented w/ 275 sx Thixotropic cement. Rig released at 11:00 a.m.,
10/31/85. Will move in completion rig about 11/20/85.

Log Tops: Dakota Silt 3272'
Dakota Sand 3362'
Morrison 3580'
Salt Wash 3883'

3833

Please note correction: Log Tops: Salt Wash 3833' (not 3883').

18. I hereby certify that the foregoing is true and correct			
SIGNED <u>James G. Routson</u>	TITLE <u>Cons. Petro. Engr.</u>	DATE <u>11/1/85</u>	
(This space for Federal or State office use)			
APPROVED BY <u>ACCEPTED</u>	TITLE <u>BRANCH OF FLUID MINERALS</u>	DATE <u>05 NOV 1985</u>	
CONDITIONS OF APPROVAL, IF ANY:			

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

(See instructions on reverse side)

Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

U-44444

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal

9. WELL NO.

North Bar-X No. 3

10. FIELD AND POOL, OR WILDCAT

Undesignated

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec 1-T17S-R25E12. COUNTY OR PARISH
Grand13. STATE
Utah

1a. TYPE OF WELL:

OIL WELL ☐ GAS WELL ☒ DRY ☐ Other

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. REVR. ☐ Other

2. NAME OF OPERATOR

Beartooth Oil & Gas Company

3. ADDRESS OF OPERATOR

P. O. Box 2564, Billings, Montana 59103

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface

2300' FSL, 1700' FEL, Section 1

At top prod. interval reported below

At total depth 2300' FSL, 1700' FEL, Section 1

Same as above

14. PERMIT NO.

43-019-31193

DATE ISSUED

July 19, 1985

15. DATE SPUDDED

10/25/85

16. DATE T.D. REACHED

10/29/85

17. DATE COMPL. (Ready to prod.)

11/22/85

18. ELEVATIONS (DP, RNS, RT, OR, ETC.)*

5382 GL, 5393 KB

19. ELEV. CASINGHEAD

5384

20. TOTAL DEPTH, MD & TVD

4000

21. PLUG BACK T.D., MD & TVD

3839

22. IF MULTIPLE COMPL., HOW MANY*

-

23. INTERVALS DRILLED BY

→

ROTARY TOOLS

0 - TD

CABLE TOOLS

None

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

Dakota Sand 3382-3462

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

GR-DOC-CNL, SP-DIL, GR-CBL-VDL

27. WAS WELL CORRED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24# J-55	304	12-1/4"	175 sx (to surface)	None
4-1/2"	10.5# J-55	3909	7-7/8"	275 sx (top @ 2488)	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)
None				

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
1-1/2"	3477	None

31. PERFORATION RECORD (Interval, size and number)

3400, 3403, 3432, 3434, 3436, 3450, 3454, 3458; total of 8 jets, .31" diameter

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3400-3458	500 gallons 15% HCl
3400-3458	Foam frac with 20,000# 100 mesh sand, 80,000# 20-40 sand, 81,480 gallons 75 Quality foam

33. PRODUCTION

DATE FIRST PRODUCTION 11/21/85		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing				WELL STATUS (Producing or shut-in) Shut-in	
DATE OF TEST 11/21/85	HOURS TESTED 12	CHOKE SIZE 1/2"	PROD'N. FOR TEST PERIOD →	OIL—BBL. 0	GAS—MCF. 1079	WATER—BBL. 0	GAS-OIL RATIO -
FLOW. TUBING PRESS. 370 psig	CASING PRESSURE 480 psig	CALCULATED 24-HOUR RATE →	OIL—BBL. 0	GAS—MCF. 2158	WATER—BBL. 0	OIL GRAVITY-API (CORR.) -	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Vented

TEST WITNESSED BY

Ralph Snow

35. LIST OF ATTACHMENTS

None, logs sent directly by Service Companies

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

James G. Routson

TITLE

Consulting Petro. Engr.

DATE

11/25/85

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Dakota	3382	3462	Gas
Morrison	3600	3607	Tight gas & water
Morrison	3680	3695	Tight gas & water

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Mancos	Surface	
Frontier	3008	
Dakota Silt	3272	
Dakota Sand	3362	
Morrison	3580	
Salt Wash	3833	

RECEIVED

DEC 05 1985

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
4241 State Office Building
Salt Lake City, UT 84114

DIVISION OF OIL
GAS & MINING*REPORT OF WATER ENCOUNTERED DURING DRILLING*

Well Name & Number North Bar-X Federal No. 3

Operator Beartooth Oil & Gas Company Address P. O. Box 2564, Billings MT 59103

Contractor Veco Drilling, Inc. Address P. O. Box 1705, Grand Junction Co 81502

Location NW 1/4 SW 1/4 Sec. 1 T. 17S R. 25E County Grand

Water Sands

<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
From	To	Flow Rate or Head	Fresh or Salty
1.	<u>None Encountered</u>		
2.			
3.			
4.			
5.			

(Continue on reverse side if necessary)

Formation Tops

Dakota 3382, Morrison 3600, Morrison 3680

Remarks

- NOTE: (a) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure.
- (b) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

EXPRESS MAIL ROUTING SLIP

PAM

pk 8:35 12-12

TAMI

TA 8:45 12-12

VICKY

VC 9:05 12-12

CLAUDIA

Ci 9:07 12/12

STEPHANE

SB 10:15 12-12

CHARLES

Cp 10:19 12-12

RULA

Rm 10:30 12/12

MARY ALICE

MAP 10:36 12/12

CONNIE

CD 1042 12-12

MILLIE

PAM

pk 1055 12/12

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on
reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

U-44444

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal

9. WELL NO.

North Bar-X Federal #3

10. FIELD AND POOL, OR WILDCAT

Undesignated

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec 1-T17S-R25E

12. COUNTY OR PARISH

Grand

13. STATE

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

RECEIVED

DEC 23 1985

DIVISION OF OIL
GAS & MINING

1. OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR
BEARTOOTH OIL & GAS COMPANY

3. ADDRESS OF OPERATOR
P. O. Box 2564, Billings MT 59103

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface

2300' FSL, 1700' FEL, Section 1

14. PERMIT NO.

43-019-31193

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

5382' GL, 5393' KB

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐
☐
☐
☐

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

☐
☐
☐
☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

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FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

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First Production

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Well put on production at 12:30 p.m., 12/18/85.

BLM in Moab, Utah, notified by telephone on 12/19/85.

18. I hereby certify that the foregoing is true and correct

SIGNED James G. Routson

TITLE Consulting Petro. Engr.

DATE 12/19/85

James G. Routson

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side